BUDGIT®

Hand Chain Hoists and Trolleys

Butts and Ordway Co.
ESTABLISHED 1888
INDUSTRIAL SUPPLIES
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LIFTTECH
LIFT-TECH INTERNATIONAL, INC.
CRANE AND HOIST OPERATIONS
MUSKEGON, MICHIGAN 49443

Design Features and Specifications

Hook Suspended Hoist

Trolley Hoist

Budgit USA Hand Chain Hoists

BUDGIT USA Hand Chain Hoist was boldly engineered to combine various materials with special shapes and incorporating features to ensure greater strength and ruggedness, true efficiency, smooth operation and greater reliability. A few of these features are:

1. Light in weight.
2. Frame made from tough aluminum alloy casting with high strength qualities.
3. Hand chain wheel cover of heavy pressed steel with special shape to guide the hand chain through gag-resistant operation.
4. A proven load brake design of the Weston Type for fine, sure control.
5. Overload device standard. Protection from excessive overloads.

Hook Suspension Hoists

BUDGIT USA Hook Suspended Hoists are lightweight and compactly designed for portable, hook-on, use anywhere type service. The rugged design provides long life in industrial and construction service and is frequently used in rigging and off-vertical type lifting requirements.

Trolley Hoists

USA Army Type Trolley Hoist has the advantage of decreasing the headroom with close coupled trolley connection. The trolley hoist delivers tighter headroom where just a couple of inches greater lift is of utmost importance.

USA Army Type Trolley Hoist is a variation of the hook suspended hand chain hoist. Rather than the standard hook suspension, trolley hoists have a lug suspension to permit a rigid mount trolley to be attached to the hoist . . . making up the trolley hoist unit. Trolley can be either a push or hand geared model. The 1-ton model, because of its compactness, requires a special hand chain wheel extension for the chain wheel to clear a monorail beam. Subsequently, the trolley for the 1-ton unit includes anti-tip guide rollers to prevent trolley tipping when the hand chain is pulled to raise or lower loads.

Construction Features

Frame: The frame of the USA Series Hoist is a tough, impact resistant, lightweight, heat treated, permanent mold cast aluminum alloy. The frame is heavily proportioned, designed primarily for ridigity to hold the gears and bearings in close alignment. The frame with the covers encloses all operating parts protecting them from dirt and the weather.

Overload Device: The chain wheel, in addition to having pockets accurately formed to receive the links of the hand chain, also forms a part of a unique patent pending overload device as a standard feature. The overload device is calibrated for the capacity of the hoist and factory installed as an added measure of protection for the load, hoist, and operator.

Gearing: The gearing is straight spur for good efficiency. The gears and pinions are generously proportioned and precision cut from alloy steel and heat treated for maximum strength and durability. All gears are grease packed in a grease tight gearcase.

Load Brake: The automatic, screw actuated, Weston-type load brake holds the load under all conditions and permits fine smooth control in lowering. The brake is self-adjusting with the friction washers long wearing, requiring low maintenance.

Load Sprocket: The load sprocket and sprocket gear are machined from a one-piece steel forging. The chain guide is a heat-treated, spring steel, flexible guide which provides heat-treated smooth surfaces that flex in the frame, controlling the load without binding.

Load Chain: Closely calibrated chain links of special analysis alloy steel formed and heat-treated for unusual strength, carborized for long wear and usage. The links are accurately formed to fit the pockets of the load sprocket.

Hand Chain: The hand chain is welded steel and zinc plated for corrosion resistance and "clean hands" operation. The chain links are accurately formed to fit the pockets of the chain wheel, for gag-resistant operation in the chain wheel and guide arrangement.

Hooks: The hooks are drop forged steel and are tough and ductile so that they will open noticeably when subjected to excessive overload. They are full swivelling, and each is equipped with a spring type hook latch.

Spark and Corrosion Resistant Models

Spark and corrosion resistant models are designed for service in certain hazardous atmospheres and areas where resistance to friction sparks is vitally important. These models have: bronze alloy hooks; bronze block sleeve or aluminum lower block; special chrome nickel stainless steel alloy load chains; and aluminum or bronze hand chain.

Hi-Cap Aluminum
Hand Chain Hoist

Aluminum
Army Type
Trolley Hoist

Steel Frame
Hand Chain
Hoist

Budgit HI-CAP Aluminum Hand Chain Hoist and Budgit Aluminum Army Type Trolley Hoists

The BUDGIT Hi-Cap Hand Chain Hoist is a rugged, heavy-duty hand chain hoist offered for higher capacities. As a hook suspended hoist, The BUDGIT HI-CAP Aluminum Chain hoist is available in ½ to 12-ton capacities. As a trolley hoist, it is available in ½ to 10-ton capacities. Since the reeving of additional parts of chain is contained inside the one-piece frame, true vertical lift is achieved. This design feature eliminates loss of lifting efficiency normally encountered with an angular pull. Loads are easier to lift and lower.

Construction Features

Suspension Frame: The hoist frame and covers are tough, impact resistant, heat treated cast aluminum alloy for strength, rigidity and light weight. The frame is one-piece construction, housing the hoisting mechanism as well as the chain anchorage or cast steel idler sprockets inside the frame.

Gear Train: The HI-CAP series has Equa-Torque gearing, Budgit's name for this dual gear reduction power train gearing. The center drive pinion turns two intermediate gears which turn a large internal gear which is splined to the load wheel. The load is always carried on four gear mesh areas, sharing the load on a number of teeth. All gears are steel, machine cut, heat treated for maximum durability and wear resistance. All gearing is supported between anti-friction bearings.

Load Wheels: Load pocket wheel and idler wheels in multiple reeved models are ALL four-pocket heat treated steel castings. The load chain guide completely surrounds the load wheel, preventing the chain from wedging or jamming.

Load Brake: The load brake is of the ratchet and pawl actuated Weston self-adjusting type to securely hold the load at any level and provide smooth precise control in lowering. The brake flange is steel, fully machined and heat treated with ACME ground thread. Ratchet wheel is steel heat treated and finish ground and operates on an anti-friction bearing for smooth lowering. The brake hub is corrosion resistant bronze alloy and hand chrome plated for long wear.

Operating Parts Enclosed: All operating parts of hand chain hoists and trolley hoists are enclosed to protect them against dirt. Gears are enclosed in a tightly sealed housing and grease lubricated.

Load Chain: The load chain is closely calibrated chain links of special analysis alloy steel, formed and heat-treated for unusual strength and carborized for long wear and usage. The links are accurately formed to fit the pockets of the load sprocket.

Hand Chain: The hand chain is welded steel and zinc plated for corrosion resistance and "clean hands" operation. The chain links are accurately formed to fit the pockets of the chain wheel for gag-resistant operation in the chain wheel and guide arrangement.

Load Hooks: The hooks are drop forged steel and are tough and ductile so that they will open noticeably when subjected to excessive overload. They are full swivelling, and each is equipped with a spring type hook latch.

Overload Protection Device (Audio Lift Regulator) Optional: A roller-detent overload device is built into the hand chain wheel to prevent the hoist from lifting dangerous overloads. It allows the hoist to lift rated capacity loads and causes the hoist to refuse excessive overloads.

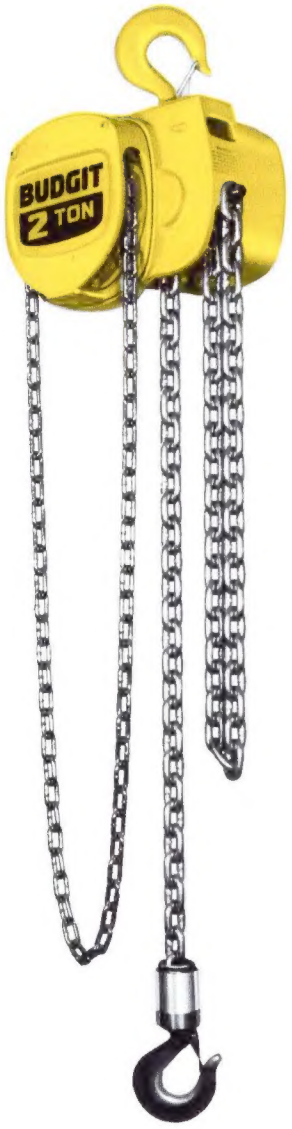
Spark and Corrosion Resistant Models

Spark and Corrosion Resistant Model is designed for service in certain hazardous atmospheres and areas where resistance to friction sparks is vitally important. These models have: bronze alloy hooks; bronze block sleeve or aluminum lower block; special chrome nickel stainless steel alloy load chains; and aluminum or bronze alloy hand chains.

Budgit Steel Frame Hand Chain Hoists

The BUDGIT Steel Frame Hand Chain Hoist is cataloged in capacities of ¼ to 25-tons with 30, 40 and 50-ton models available. The basic model is compact and sturdy enough to serve as a rigger's hoist. Low Headroom Trolley Hoist is ideal for use in existing structures with low ceilings. Swivel Truck Low Headroom Trolley Hoist has the ability to travel extremely short radius curves without binding or scraping on the I-beam or monorail. Twin Hook Hoist solves lifting long bulky loads easily and evenly. And the Extended Handwheel Hoist permits an operator to stand at a distance from the load when lifting hot materials or large, flat and bulky loads.

By making available these specialized lifting hoists, the BUDGIT Hand Chain Hoist Product Line becomes the most complete line of hand chain hoists available anywhere. The steel frame hoists are designed, built and tested to the same rigid specifications of quality and performance standards as the USA Series, HI-CAP and Aluminum Army Type BUDGIT Hoists.

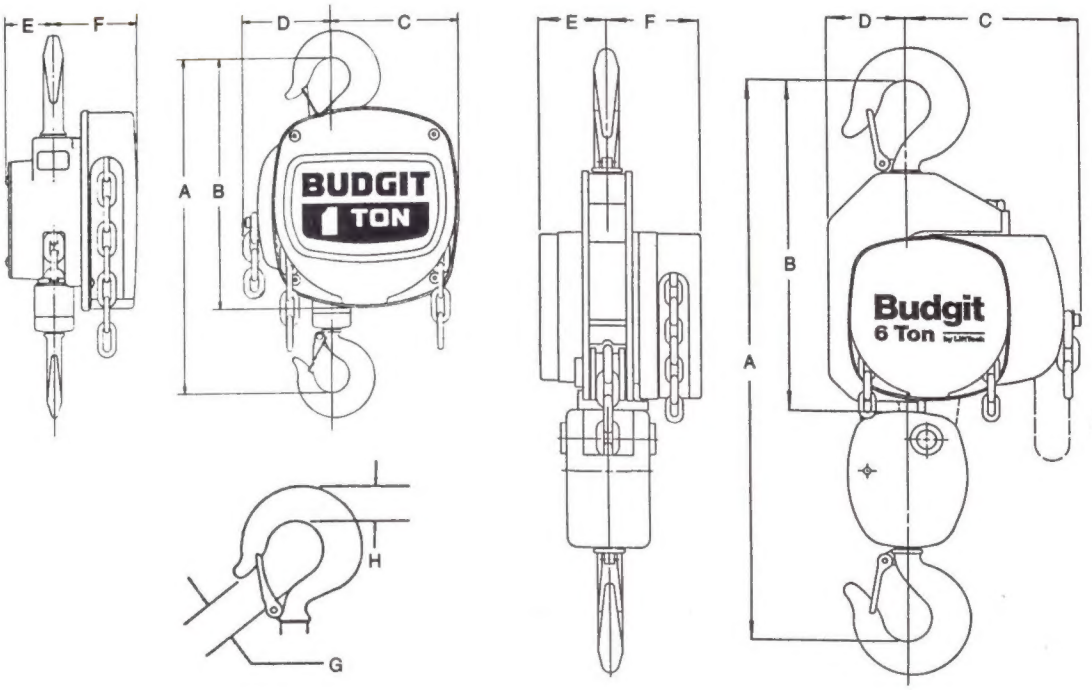


Capacities: ¼ thru 6-ton

Designed for long life with minimum maintenance, the BUDGIT USA family of hand chain hoists outstanding features include: lightweight, tight headroom, overload device standard, easy operation. The ¼ through 6-ton models are of the same basic construction and consist of a cast aluminum frame which houses an automatic load brake, spur gear reduction, and load sprocket with chain guide. Suspension hook is full swiveling.

Spark and Corrosion Resistant Models

Spark and corrosion resistant models are designed for service in certain hazardous atmospheres and areas where friction spark resistance is vitally important. These models have bronze alloy hooks, bronze block sleeve or aluminum lower block, special chrome nickel stainless steel allow load chains, and aluminum hand chains on 1 through 6-ton models, or bronze hand chains, on ¼ and ½-ton models.



Sizes, Catalog Numbers and Specifications

Outline Dimensions

Catalog Numbers				Operating Characteristics									Hook Dimensions			
													Hook Opening G		Hook Thickness H	
Standard Models	Spark & Corrosion Resistant Models	Lifting Capacity In Tons	Net Wt. In Pounds	Hand Chain Pull to Lift Full Load	Hand Chain Overhaul to Lift Load One Foot	Strands of Load Chain	Head Room A	B	C	D	E	F	Upper Hook	Lower Hook	Upper Hook	Lower Hook
8260	8260 SR	¼	25.5	24 lbs.	25 ft.	1	12½	9	4¾	3¾	2⅛	3½	1"	1"	1 32"	1 32"
8261	8261 SR	½	25.5	48 lbs.	25 ft.	1	12½	9	4¾	3¾	2⅛	3½	1"	1"	1 32"	1 32"
8262	8262 SR	1	33.5	70 lbs.	35 ft.	1	13¼	10½	5½	3¾	2⅛	3⅝	1⅛"	1"	1⅛"	1 32"
8259	8259 SR	1½	50.0	60 lbs.	68.5 ft.	1	16¼	12	4⅝	7¼	4⅛	3⅞	1 16"	1⅛"	1⅜"	1⅛"
8263	8263 SR	2	50.0	78 lbs.	68.5 ft.	1	16¼	12	4⅝	7¼	4⅛	3⅞	1 16"	1⅛"	1⅜"	1⅛"
8264	8264 SR	3	75.0	60 lbs.	137 ft.	2	25½	15	7⅝	4¼	4⅛	3⅞	1 32"	1 32"	1 16"	1 16"
8265	8265 SR	4	75.5	80 lbs.	137 ft.	2	25½	15	7⅝	4¼	4⅛	3⅞	1 32"	1 32"	1 16"	1 16"
8266	8266 SR	5	105.0	70 lbs.	205.5 ft.	3	29	17	8¾	4	4⅛	3⅞	1 16"	1 16"	1 3 16"	1 3 16"
8267	8267 SR	6	106.0	82 lbs.	205.5 ft.	3	29	17	8¾	4	4⅛	3⅞	1 16"	1 16"	1 3 16"	1 3 16"

Equipped with Hook Latches. Standard lift is 8 feet. Hand chain can drop approximately 1½ ft. above fully extended hook. Available with longer than Standard Lifts.

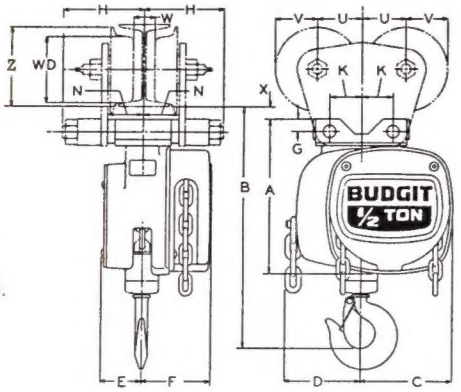
Dimensions are in inches and apply to standard models and spark and corrosion resistant models except "A" and "B" dimensions may be slightly larger on the spark and corrosion resistant models. Apply to factory for these dimensions when critical to application.

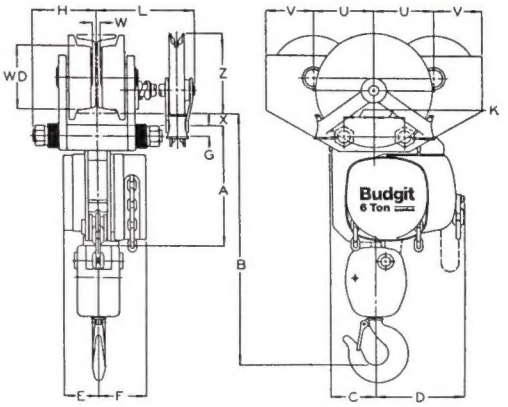
USA Army Type Trolley Hoists

Hoist Shown With Optional Chain Container. See Page 8.

Push and Hand Geared Type Capacities: ½ thru 6-ton

BUDGIT USA Army Type Trolley Hoist is offered for those applications where a closer headroom is required. It consists of a lug suspended model BUDGIT USA Hand Chain Hoist with a BUDGIT Rigid Mount Trolley. The lug hoist contains all the fine features of the BUDGIT USA Chain Hoist with the exception of substituting a lug suspension for the normal hook suspension. The rigid mount trolley is the BUDGIT Rigid Mount Trolley outlined on page 15, offering either a push type or hand geared type traverse suspension.





Outline Dimensions

Cap. in Tons	A	B Min.	C	D	E	F	G	K	L Max.	U	V	W Min.	X Min.	Monorail Beam Adjustable to fit these Beam Sizes (inches) Min. Depth	Min. Flange Width	Max. Flange Width	Z Max.	WD	Min. Rad. Curve
½	7¾	12⅛	4¾	3¾	2⅛	3½	⅝	1 9/16	9¾	2 3/16	2⅛	⅝	⅝	4	2⅝	4⅝	3 15/16	3⅛	2'16"
1	8¾	12⅛	5½	3¾	2⅛	7⅛	⅝	1 9/16	9¾	3 1/16	2 11/16	1¼	⅝	5	3	5	4⅞	4	3'6"
1½	10⅞	15¾	4⅝	7¼	4⅛	3⅞	13/16	2½	10¼	3 7/16	3 13/16	1¼	⅝	6	3⅜	6	6	4 15/16	4'0"
2	10⅞	15¾	4⅝	7¼	4⅛	3⅞	13/16	2½	10¼	3 7/16	3 13/16	1¼	⅝	6	3⅜	6	6	4 15/16	4'0"
3	11⅝	24⅛	4¼	7⅝	4⅛	3⅞	1 1/16	3	18¼	3 7/16	4 5/16	1	⅝	8	4	6¼	5⅞	4 15/16	5'0"
4	11⅝	23⅛	4¼	7⅝	4⅛	3⅞	1 1/16	3	17⅝	4 9/16	3¼	1 9/16	⅝	8	4	6¼	5⅜	4	7'0"
5	12⅛	25⅜	4½	8¾	4⅛	3⅞	1 1/16	3	17⅝	6	4 13/16	13/16	⅝	8	4	6¼	8	6½	7'0"
6	12⅛	25⅜	4½	8¾	4⅛	3⅞	1 1/16	3	17⅝	6	4 13/16	13/16	⅝	8	4	6¼	8	6½	7'0"

Sizes, Catalog Numbers and Specifications

Catalog Number: Standard Model	Catalog Number: Spark & Corrosion Resistant Models	Capacity in Tons	Net Weight in Pounds	Std. Lift in Feet	No. of Parts of Load Chain	Headroom-Min. Distance from Bottom of I-Beam to Hook Saddle (inches)	Hand Chain Pull in Lbs. to Lift Full Load	Hand Chain Overhaul in Feet to Lift Load One Foot
Push Type								
8311	8311SR	½	42	8	1	12⅛	48	25
8312	8312SR	1	60½	8	1	12⅛	70	35
8313*	8313SR	1½	98½	8	1	15¾	60	68½
8314	8314SR	2	98½	8	1	15¾	78	68½
8315	8315SR	3	150	8	2	24⅛	60	137
8316	8316SR	4	250½	8	2	23⅛	80	137
8317	8317SR	5	280	8	3	25⅜	70	205½
8318	8318SR	6	281	8	3	25⅜	82	205½
Hand Geared Type								
8321**	8321SR	½	67	8	1	12⅛	48	25
8322	8322SR	1	76½	8	1	12⅛	70	35
8323	8323SR	1½	112½	8	1	15¾	60	68½
8324	8324SR	2	112½	8	1	15¾	78	68½
8325	8325SR	3	165	8	2	24⅛	60	137
8326	8326SR	4	265½	8	2	23⅛	80	137
8327	8327SR	5	295	8	3	25⅜	70	205½
8328	8328SR	6	296	8	3	25⅜	82	205½

*In order to maintain the best possible headroom, the 1-ton capacity BUDGIT USA Trolley Hoist has an extended hand chain wheel. For push type trolley applications with the extended hand chain wheel, a push trolley with anti-tip roller is utilized on the side of the beam opposite the hoist hand chain.

**Catalog No. 8321, ½ ton hoist with hand geared trolley uses the 1-ton hand geared trolley. For dimensions U, V, W, Y, Z, WD and Minimum Radius Curve, use 1 ton dimensions.

HI-CAP® Aluminum Hand Chain Hoists

Hi-Cap Aluminum Hand Chain Hoists
Capacities: ½ thru 12-Ton

Get all of these advantages:

- Light Weight
- One-Piece Frame
- Fine Control
- Rugged Construction
- Low Maintenance
- Optional Overload Protection

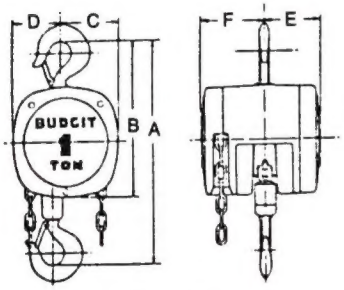
The outstanding design features of the BUDGIT HI-CAP Hoist provides the finest concept of high strength spur geared chain hoists offering the user maximum ease of lifting with long, trouble-free operating life. The hoist frame and covers are tough, impact resistant, heat treated cast aluminum alloy for strength rigidity and light weight. The frame is one-piece construction housing the hoisting mechanism as well as the chain anchorage or cast steel idler sprockets inside the frame. The result is vertical reeving of the load chain, thus increasing the efficiency of pull by the operator. The gears are made large for ease in raising loads. The "Full Jewelled" automatic mechanical load brake offers positive control over the load. The use of splines, instead of the usual keyways, to connect gears to the hardened shafts helps assure strength at these vital points.

Spark and Corrosion Resistant Models

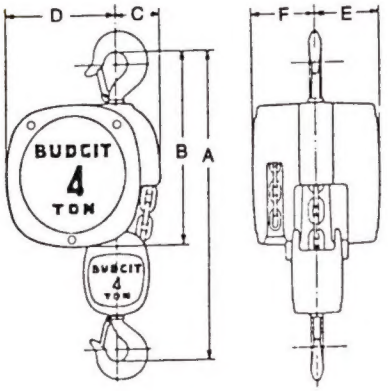
Spark and Corrosion Resistant Models are designed for service in certain hazardous atmospheres and areas where resistance to friction sparks is itally important. These models have: bronze alloy hooks; bronze block sleeve or aluminum lower block; special chrome nickel stainless steel alloy load chains; and aluminum or bronze alloy hand chains.

True Vertical Reeving

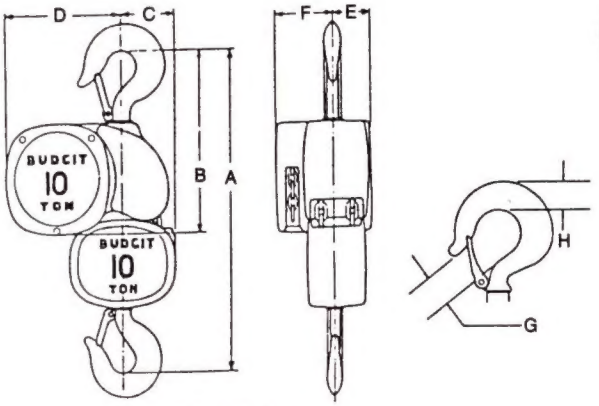
Sheaves are arranged to eliminate angular chain pull, permitting true vertical lifting for maximum lifting efficiency.



½ thru 2-ton



3 thru 6-ton



8 thru 12-ton

Sizes, Catalog Numbers and Specifications

Outline Dimensions

Catalog Numbers					To Lift Load One Foot									Hook Dimensions			
														Hook Opening G		Hook Thickness H	
Standard Models	Spark & Corrosion Resistant Models	Capacity In Tons	Net Wt. In Lbs.	Number of Parts of Load Chain	Chain Pull In Lbs.	Chain Overhaul In Feet	Head Room A	B	C	D	E	F		Upper Hook	Lower Hook	Upper Hook	Lower Hook
261	261 SR	½	32	1	50	21	12⅛	8 9/16	3¼	2⅝	3 13/16	3 11/16		1 "	1 "	1 1/32"	1 1/32"
262	262 SR	1	46	1	60	36½	15	10 9/16	4 1/16	3 5/16	4 1/16	4½		1⅛"	1 "	1⅛"	1 1/32"
259	259 SR	1½	78	1	60	55	17¾	13⅜	5 7/16	4⅝	4⅞	4 11/16		1 3/16"	1⅛"	1⅜"	1⅛"
263	263 SR	2	79	1	80	55	17¾	13⅜	5 7/16	4⅝	4⅞	4 11/16		1 3/16"	1⅛"	1⅜"	1⅛"
264	264 SR	3	97	2	62	110	22 13/16	13¾	3 5/16	8¼	4⅞	4 11/16		1 11/32"	1 11/32"	1 7/16"	1 7/16"
265	265 SR	4	99	2	83	110	23 11/16	14⅛	3 5/16	8¼	4⅞	4 11/16		1 11/32"	1 11/32"	1 7/16"	1 7/16"
266	266 SR	5	122	3	72	165	25	14 11/16	4 3/16	8¾	4⅞	4 11/16		1 11/16"	1 11/16"	1 13/16"	1 13/16"
267	267 SR	6	126	3	86	165	26	15 1/16	4 3/16	8¾	4⅞	4 11/16		1 11/16"	1 11/16"	1 13/16"	1 13/16"
268	268 SR	8	167	4	89	220	27 15/16	15 13/16	5	10⅝	4⅛	5 7/16		2 1/16"	2 1/16"	2¼"	2¼"
269	269 SR	10	182	5	92	275	29¼	16⅜	5	11⅛	4⅛	5 7/16		2 1/16"	2 1/16"	2¼"	2¼"
270	270 SR	12	245	6	98	330	32¼	17 15/16	4 11/16	13¼	4⅛	5 7/16		2¼"	2¼"	2 19/32"	2 19/32"

Equipped with Hook Latches. Standard lift is 8 feet. Hand chain can drop approximately 1½ ft. above fully extended hook. For Hand Chain Hoists with longer than Standard Lifts see price sheet.

Dimensions are in inches and apply to standard models and spark and corrosion resistant models except "A" and "B" dimensions may be slightly larger on the spark and corrosion resistant models. Apply to factory for these dimensions when critical to application.

HI-CAP® Army Type Trolley Hoists

Push Type

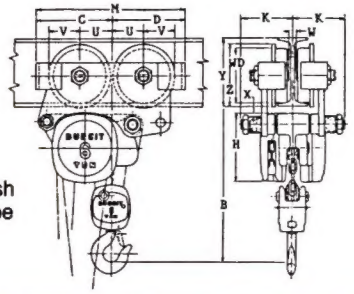
Hand Geared Type

Push and Hand Geared Type Capacities: ¼ thru 10-ton

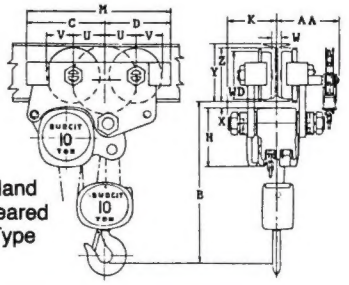
These integrally built trolley and hand chain hoist combinations produce a compactness with exceptional high hook lift and low headroom advantages. Hoist section contains all the fine design features of the BUDGIT Aluminum Hand Chain Hoists. Trolley section has side plates of extra heavy rolled steel and forged alloy steel wheels with sealed ball bearings.

Hand geared type models are identical to the push type models except that wheel flanges on one side are geared and meshed with a pinion driven by a hand wheel and chain.

Push Type



Hand Geared Type



Outline Dimensions

Cap. in Tons	B Min.	C	D	H	K	M	U	V	W Min.	X Min.	Y Adjustable to fit these Beam Sizes (inches) Min. Depth	Min. Flange Width	Max. Flange Width	Z	AA Max.	WD	Min. Rad. Curve
¼	10 1/8	4 1/8	—	5 13/16	4	8 17/16	2 3/16	2 1/8	5/8	3/4	4	2 3/4	4 3/4	4	—	3 1/8	1'9"
½	10 1/8	4 1/8	—	5 13/16	4	8 7/16	2 3/16	2 1/8	5/8	3/4	4	2 3/4	4 3/4	4	—	3 1/8	1'9"
1	12 5/8	7 3/8	7 3/8	7 5/16	4 7/8	14 3/4	3 5/8	3	7/8	3/4	5	3	5	5 3/8	7 13/16	4	2'0"
1½	15 1/8	8 3/8	8 3/8	10	5 1/2	16 3/4	3 15/16	3 3/8	1 1/8	3/4	6	3 5/16	6	6 1/4	10	4 7/8	3'6"
2	15 1/8	8 3/8	8 3/8	10	5 1/2	16 3/4	3 15/16	3 3/8	1 1/8	3/4	6	3 5/16	6	6 1/4	10	4 7/8	3'6"
3	19 13/16	10 5/8	10	10	6 13/16	20 5/8	4 21/32	4 1/16	1 1/8	3/4	8	4	7 1/4	7 3/4	11 7/8	6 1/2	4'0"
4	20 5/16	10 5/8	10	10	6 13/16	20 5/8	4 21/32	4 1/16	1 1/8	3/4	8	4	7 1/4	7 3/4	11 7/8	6 1/2	4'0"
5	21 1/16	11 1/2	11	10	7 7/8	22 1/2	4 7/8	4 3/4	1 3/8	3/4	10	4 3/4	8	9 1/2	12 5/16	8	4'6"
6	21 11/16	11 1/2	11	10	7 7/8	22 1/2	4 7/8	4 3/4	1 3/8	3/4	10	4 3/4	8	9 1/2	12 5/16	8	4'6"
8	22 7/8	14	12	10	8 5/8	26	5 5/8	4 3/4	1 1/8	3/4	10	4 3/4	8	9 1/2	12 7/8	8	5'0"
10	23 5/8	14	12	10	8 5/8	26	5 5/8	4 3/4	1 1/8	3/4	10	4 3/4	8	9 1/2	12 7/8	8	5'0"

Dimensions are in inches unless otherwise specified. Dimension AA applies to Hand Geared Type only.

Sizes, Catalog Numbers and Specifications

Catalog Number Standard Model	Capacity in Tons	Net Weight in Pounds	Std. Lift in Feet	No. of Parts of Load Chain	Headroom-Min. Distance from Bottom of I-Beam to Hook Saddle (inches)	Hand Chain Pull in Lbs. to Lift Full Load	Hand Chain Overhaul in Feet to Lift Load One Foot
Push Type							
3301	¼	44	8	1	10 1/8	25	21
3302	½	45	8	1	10 1/8	50	21
3303	1	81	8	1	12 5/8	60	36½
3300	1½	136	8	1	15 1/8	60	55
3304	2	137	8	1	15 1/8	80	55
3305	3	248	8	2	19 3/16	62	110
3306	4	269	8	2	20 5/16	83	110
3307	5	320	8	3	21 1/16	72	165
3308	6	369	8	3	21 11/16	86	165
3309	8	503	8	4	22 7/8	89	220
3310	10	511	8	5	23 5/8	92	275
Hand Geared Type							
3315	1	93	8	1	12 5/8	60	36½
3314	1½	149	8	1	15 1/8	60	55
3316	2	150	8	1	15 1/8	80	55
3317	3	267	8	2	19 13/16	62	110
3318	4	288	8	2	20 5/16	83	110
3319	5	377	8	3	21 1/16	72	165
3320	6	389	8	3	21 11/16	86	165
3321	8	529	8	4	22 7/8	89	220
3322	10	537	8	5	23 5/8	92	275

NOTE: Available with lifts longer than standard. See price sheet. Equipped with Hook Latches. Spark and Corrosion Resistant Models Available.

AVAILABLE WITH BUDGIT AUDIO LIFT REGULATORS. To order chain block with regulator installed add prefix letter "R" to chain block catalog number. Outline dimensions do not change. Net weights increase 2 pounds.

Options and Accessories

Trolley Adapter Links

BUDGIT I-Beam Trolleys are designed to carry hoists of the same rated capacity. Adapter Links make it possible to hang hoists of smaller capacity than trolley.

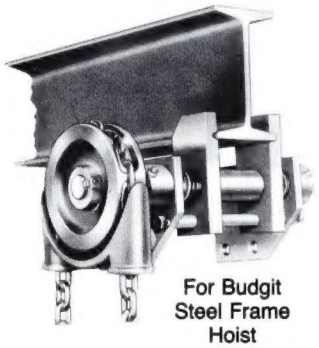
Catalog No. 281 ..... For ¼ and ½-Ton Trolleys
Catalog No. 282 ..... For 1-Ton Trolleys
Catalog No. 283 . For 2 and 3-ton Trolleys

Track Clamps

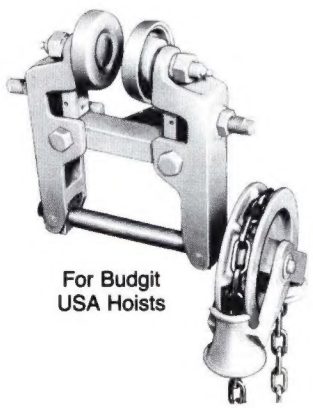
Quick acting track clamps can be supplied with any BUDGIT trolley or trolley hoist. Clamps are available as trailer type for BUDGIT aluminum frame hoists and built into the trolley for BUDGIT steel frame hoists or cast iron wheel trolleys. Steel jaws of track clamps are grooved to bite and hold firmly to the flange of the runway beam, and will hold trolley fully loaded up to rated capacity. Clamp is designed so no additional load pressures are applied to trolley wheels when clamp is actuated.

NOTE: When ordering, give complete I-Beam dimensions and include catalog number, capacity and length of lift for hoist it is to be used on. Apply to factory for outline dimensions.

Catalog No. 905334 ..... For Aluminum Frame Hoists
Catalog No. 905331 ..... For Steel Frame Hoists



For Budgit Steel Frame Hoist



For Budgit USA Hoists

Chain Containers for Hand Chain Hoists

These receptacles receive the slack load chain as it reeves over the load sheave. In this way, slack chain is kept from interfering, and from marring or scratching any load with finished surfaces. Compact design helps maintain best possible headroom. Containers are available for all types of BUDGIT aluminum and steel frame hand chain hoists and trolley hoists.

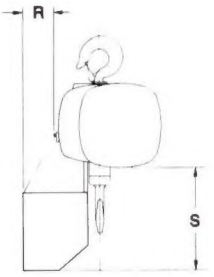
NOTE: When ordering, give catalog number and length of lift for hoist it is to be used on. Apply to factory for weights.

For approximate dimensions, see charts below.

For Aluminum Frame Hoist

For Steel Frame Hoist

For Budgit USA Hoist



Budgit Series USA

Standard Catalog No.	Spark Resistant Catalog No.	Shipping Wt.	Max. Lift in Feet Container Will Accomodate					Dimensions	
			¼- & ½-Ton	1-Ton	1½ & 2-Ton	3 & 4-Ton	5 & 6-Ton	R	S
902741	—	5	15	10	—	—	—	1¾	7⅞
902742	902760	8	25	20	—	—	—	1¾	13⅞
902743	902761	10	40	30	—	—	—	1¾	17⅞
902744	—	15	55	45	—	—	—	1¾	22⅞
902745	—	20	75	65	—	—	—	1¾	29⅞
902750	902765	9	—	—	15	8	—	4½	9¾
902751	902766	14	—	—	30	15	10	4½	16¾
902752	902767	20	—	—	40	20	13	4½	21¾
902753	902768	36	—	—	66	33	23	4½	32¾

Budgit HI-CAP

Standard Catalog No.	Spark Resistant Catalog No.	Shipping Wt.	Max. Lift in Feet Container Will Accomodate							Dimensions	
			½ & 1-Ton	1½ & 2-Ton	3 & 4-Ton	5 & 6-Ton	8-Ton	10-Ton	12-Ton	R	S
904560	—	8	15	—	—	—	—	—	—	3¾	10⅝
904561	—	10	30	—	—	—	—	—	—	3¾	15⅝
904562	904572	8	—	15	8	—	—	—	—	3	10⅝
904563	904573	10	—	25	12	—	—	—	—	3	15⅝
904564	904574	17	—	36	18	12	9	8	—	3	19⅝
904565	904575	24	—	56	28	19	14	11	9	3	28⅝
904566	904576	30	—	66	33	22	16	13	11	3	33⅝
904567	904577	40	—	124	62	41	31	25	21	3	24⅝
904568	904578	48	—	160	80	53	40	32	27	3	30⅝

Steel Frame

*Catalog Number	Shipping Weight	Maximum Lift Container Will Accept						
		¼, ½ & 1-Ton	1½ & 2-Ton	3 & 4-Ton	5 & 6-Ton	8-Ton	10-Ton	12-Ton
905341	8	+15	+10	—	—	—	—	—
905342	10	+20	+15	—	—	—	—	—
905343	17	+24	+20	+10	—	—	—	—
905344	24	—	30	15	10	—	—	—
905345	30	—	40	20	13	10	8	—
905346	40	—	50	25	17	12	10	8

*For hook suspended model hoists only. Apply to factory for Low Headroom Trolley Hoists. Apply to factory for containers for longer lifts. Apply to factory for dimensions of hoists with containers. Apply to factory for spark resistant containers.

+Indicates spark resistant containers made of plastic.

Standard I Beam Sizes

Carrying Case

The ideal way to carry the BUDGIT Hand Chain Hoist from job to job. Case is made of durable, dust-tight yellow canvas, sewed and riveted to a rigid base plate, with leather carrying handle and easy-to-use full zipper opening. For ¼, ½ and 1-ton capacity hoists.

Catalog No. 98 . For 500,1000, and 2000 Pound Hand Chain Hoists

Bullard Swing Gate Hooks

Bullard Swing Gate Hooks have hook throat opening closure of heavy cast construction that are ideal for rugged service applications. Swing gate unlocks and opens 90° providing 100% of the full hook throat opening. Swing gate is spring loaded to snap shut and lock in closed position . . . retaining the load.

Hand Chain Options

The hand chain on all BUDGIT products of standard design is a zinc-plated hand chain. Plated hand chain provides a corrosion-resistant finish for outdoor and other corrosive applications with "clean hands" operation. Plated chain appreciably reduces friction against the walls of the chain guide. Less effort is required to raise or lower loads.

The hand chain on the BUDGIT Series USA and HI-CAP Spark Resistant "SR" ¼ and ½-ton models is Everdur Bronze while all other BUDGIT Spark Resistant "SR" hoists and geared trolleys have aluminum hand chain as standard.

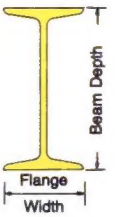
Bronze hand chain is a spark-resistant and corrosion-resistant material providing greater protection for the more corrosive and hazardous atmospheres. Bronze hand chain, though more expensive, is heavier and operates better than any other hand chain. Bronze hand chain is optional extra and can be ordered for all BUDGIT hand chain operated hoists, hand geared trolleys and hand geared crane assemblies.

Aluminum hand chain is spark resistant and lightweight, providing protection where hazardous atmospheres are present or the lowest weight units are required. Due to aluminum's light weight, aluminum hand chain requires slower hoist operation than with other material hand chains.

Standard Beam Sizes

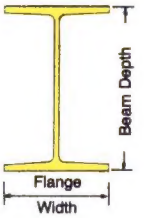
These charts show common standard beam sizes, weights and nominal flange widths for both American Standard Section "S" Shapes and Wide Flange Shapes (as listed by American Institute of Steel Construction). Wide Flange Shapes are W Shapes effective approximately September 1, 1978.

Always include beam sizes when ordering BUDGIT Trolleys and Trolley Hoists.



American Standard I-Beams

Flange Slope
9° 27'-44"
Bevel 2 in 12



Wide Flange Shapes

Flange Slopes Varying
0° Thru 5 Percent
(5 Percent Slope)
Is 2° 51'-47"

American Standard Section "S" Shapes

Designation (Ins. & Lbs.)	Flange Width (Ins.)
S4 x 7.7	2⅝
S4 x 9.5	2¾
S5 x 10	3
S5 x 14.75	3¼
S6 x 12.5	3⅜
S6 x 17.25	3⅝
S7 x 15.3	3⅝
S7 x 20	3⅞

Designation (Ins. & Lbs.)	Flange Width (Ins.)
S 8 x 18.4	4
S 8 x 23	4⅛
S10 x 25.4	4⅝
S10 x 35	5
S12 x 31.8	5
S12 x 35	5⅛
S12 x 40.8	5¼

Designation (Ins. & Lbs.)	Flange Width (Ins.)
S12 x 50	5½
S15 x 42.9	5½
S15 x 50	5⅝
S18 x 54.7	6
S18 x 70	6¼
S20 x 65.4	6¼
S20 x 75	6⅜

Designation (Ins. & Lbs.)	Flange Width (Ins.)
S20 x 85	7
S20 x 95	7¼
S24 x 79.9	7
S24 x 90	7⅛
S24 x 100	7¼
S24 x 105.9	7⅞
S24 x 120	8

Wide Flange "W" Shapes

Designation	Wt.
W24 x 9*	94
W24 x 9*	84
W24 x 9*	76
W24 x 9*	68
W24 x 7*	62
W24 x 7*	55
W21 x 8¼	93
W21 x 8¼	83
W21 x 8¼	73
W21 x 8¼	68
W21 x 8¼	62
W21 x 6½	57
W21 x 6½	50
W21 x 6½	44
W18 x 11	119
W18 x 11	106
W18 x 11	97
W18 x 11	86
W18 x 11	76
W18 x 7½	71
W18 x 7½	55
W18 x 7½	60
W18 x 7½	55
W18 x 7½	50
W18 x 6	46

Designation	Wt.
W18 x 6	40
W18 x 6	35
W16 x 10¼	100
W16 x 10¼	89
W16 x 10¼	77
W16 x 10¼	67
W16 x 7	57
W16 x 7	50
W16 x 7	45
W16 x 7	40
W16 x 7	36
W16 x 5½	31
W16 x 5½	26
W14 x 10	82
W14 x 10	74
W14 x 10	68
W14 x 10	61
W14 x 8	53
W14 x 8	48
W14 x 8	43
W14 x 6¾	38
W14 x 6¾	34
W14 x 6¾	30
W14 x 5	26
W14 x 5	22

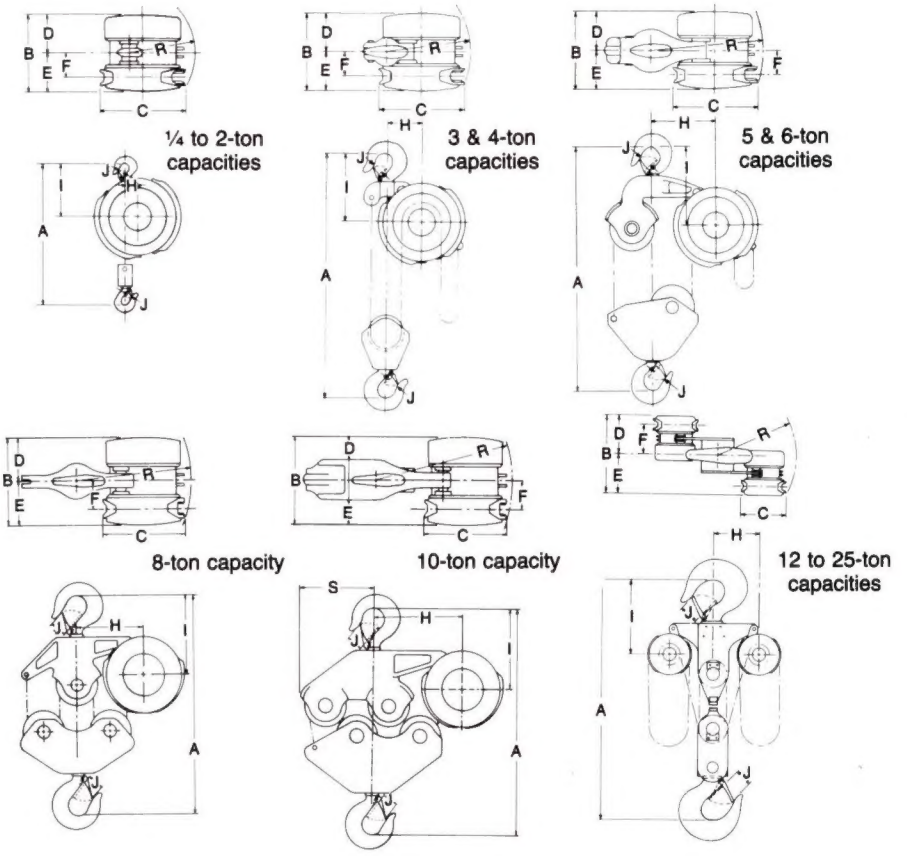
Designation	Wt.
W12 x 10	58
W12 x 10	53
W12 x 8	50
W12 x 8	45
W12 x 8	40
W12 x 6½	35
W12 x 6½	30
W12 x 6½	26
W12 x 4	22
W12 x 4	19
W12 x 4	16
W12 x 4	14
W10 x 10	112
W10 x 10	100
W10 x 10	88
W10 x 10	77
W10 x 10	68
W10 x 10	60
W10 x 10	54
W10 x 10	49
W10 x 8	45
W10 x 8	39
W10 x 8	33
W10 x 5¾	30
W10 x 5¾	26

Designation	Wt.
W10 x 5¾	22
W10 x 4	19
W10 x 4	17
W10 x 4	15
W10 x 4	12
W 8 x 8	67
W 8 x 8	58
W 8 x 8	48
W 8 x 8	40
W 8 x 8	35
W 8 x 8	31
W 8 x 6½	28
W 8 x 6½	24
W 8 x 5¼	21
W 8 x 5¼	18
W 8 x 4	15
W 8 x 4	13
W 8 x 4	10
W 6 x 6	25
W 6 x 6	20
W 6 x 6	15
W 6 x 4	16
W 6 x 4	12
W 6 x 4	9

*Conforms with ASTM A6 Standards effective approximately September 1, 1978.

Capacities: ¼ thru 25-ton

BUDGIT Steel Frame Chain Hoists are designed, built and tested to rigid specifications of quality and performance. They are thoroughly engineered from every standpoint; have been made light in weight, compact and sturdy enough to serve as a rigger's hoist. Simplicity of design makes them easy to service and maintain, permits longer trouble-free periods of service. They are strong, durable and fully enclosed, and thus well suited for indoor or outdoor use under all normal hoisting applications.



Sizes, Catalog Numbers and Specifications

Outline Dimensions

Catalog Number	Rated Capacity in Tons	Shipping Weight Lbs.	Minimum Distance Between Hooks in Inches	Hand Chain Pull To Lift Full Load in Pounds	Feet Chain Overhauled To Lift Load One Foot	Number of Strands Of Chain		A	B	C	D	E	F	H	I	J	R	S
						Load	Hand											
910601	¼	46	12⅛	17	33	1	2	12⅛	8½	8½	4¼	4¼	3	1⅜	5⅞	1	7	—
910602	½	46	12⅛	35	33	1	2	12⅛	8½	8½	4¼	4¼	3	1⅜	5⅞	1	7	—
910603	1	48	12¼	70	33	1	2	12¼	8½	8½	4¼	4¼	3	1⅜	5⅞	1	7	—
910604	1½	66	16⅜	64	58	1	2	16⅝	10	11	5	5	3¼	1¾	8½	1 11/32	8½	—
910605	2	72	16⅝	83	58	1	2	16⅝	10	11	5	5	3¼	1¾	8½	1 11/32	8½	—
910606	3	140	23½	66	116	2	2	23½	10	11	5	5	3¼	4⅞	9⅛	1⅝	11½	—
910607	4	144	24½	86	116	2	2	24½	10	11	5	5	3¼	4⅞	9⅝	1¾	11½	—
910608	5	208	25½	71	174	3	2	25½	10	11	5	5	3¼	6⅜	11½	1 1/16	13½	—
910609	6	208	25½	88	174	3	2	25½	10	11	5	5	3¼	6⅜	11½	1 1/16	13½	—
910610	8	283	26¾	91	232	4	2	26¾	10	11	5	5	3¼	8½	11	2 5/16	14	—
910611	10	355	30¾	94	290	5	2	30¾	10	11	5	5	3¼	10¼	10⅝	2¼	17	9¼
910612	12	720	49¾	88*	174*	6	4	49¾	16	11	8	8	6¼	11¾	16	3	19½	—
910613	16	900	53¾	91*	238*	8	4	53¾	17½	11	8¾	8¾	7	11¾	17½	3⅝	19⅞	—
910614	20	1,130	57⅞	95*	290*	10	4	57⅞	19½	11	9¾	9¾	8	11¾	18	4 3/16	20⅜	—
910615	25	1,160	57⅞	103*	348*	12	4	57⅞	21¼	11	10⅝	10⅝	8⅞	11¾	18	4 3/16	20⅞	—

*On Each Hand Chain. 12 Ton Hoists and Over have Two Hoist Unites and Two Hand Chains. Standard lift on all models is 8 feet.

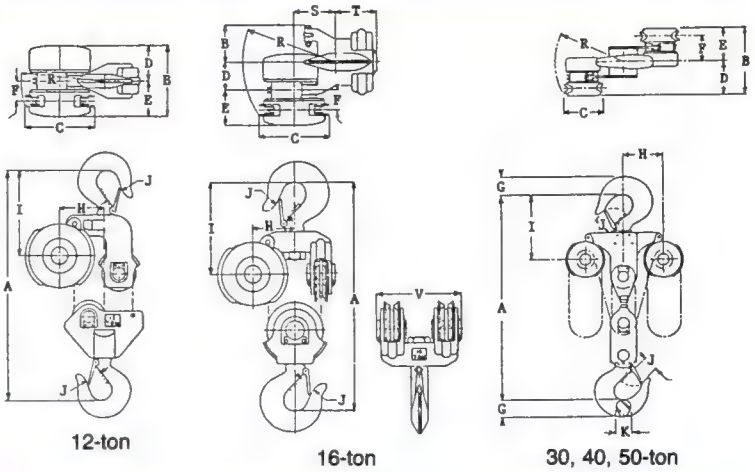
Dimensions are in inches unless otherwise specified.

Large Steel Frame Hoists & Army Type Trolley Hoists

Large Steel Frame Hoists Capacities: 4, 12, 16, 30, 40, & 50-tons

The BUDGIT large frame-steel frame hoist offers a 4-ton single line and a single head for the 12- and 16-ton capacities. These units are more compact in design than the above units of comparable capacity, allowing their use in areas where space is a premium. They also feature a significant improvement in headroom.

The large frame hoist is offered with a double head for 30, 40 and 50-ton capacities.



12-ton 16-ton 30, 40, 50-ton

Specifications

Cat. No.	Cap. Tons	Standard Lift Feet	Min. Distance Between Hooks In Inches	Chain Pull in Pounds To Lift Full Load	Feet of Chain Overhauled To Lift Load One Foot	Strands of Chain		Length of Chain		Wt. in Lbs.
						Load	Hand	Load	Hand	Net
910621	4	8'	23¾	74	127	1	2	9'6"	14'0"	150
910622	12	8'	33¾	83	384	3	2	28'0"	16'0"	368
910623	16	8'	39½	85	512	4	2	40'0"	18'0"	590
910626	30	8'	63	90*	512*	8	4	76'6"	20'6"	1542
910627	40	8'	79¾	92*	640*	10	4	94'6"	21'6"	2060
910628	50	8'	79¾	105*	768*	12	4	112'6"	21'6"	2262

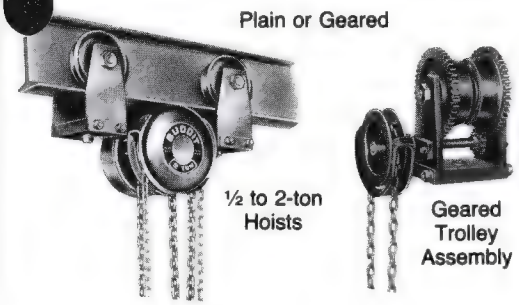
*On Each Hand Chain.

12 & 16 Ton Single Head

Tons	A	B	C	D	E	F	H	I	J	R	S	T	V	Tons
12	33¾	12	12⅛	6	6	3½	7⅞	13½	2¼	14¾				12
16	39½	6⅜	12⅛	4¾	6	3½	7⅜	16½	3⅝	16⅜	7⅜	7⅛	14¼	16

30, 40, & 50 Ton Double Head

Tons	A	B	C	D	E	F	G	H	I	J	K	R	Tons
30	63	19½	12½	9¾	9¾	7¾	3 11/16	14	24½	3⅝	3	22⅜	30
40	79¾	24¼	12½	12⅛	12⅛	10⅛	6	14	30¼	5⅛	4⅝	23½	40
50	79¾	24¼	12½	12⅛	12⅛	10⅛	6	14	30¼	5⅛	4⅝	23½	50



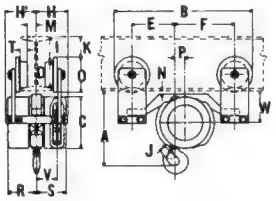
Plain or Geared

½ to 2-ton Hoists

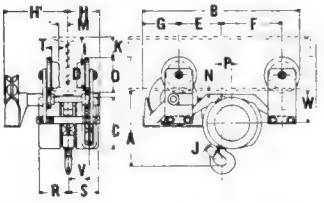
Geared Trolley Assembly

Steel Frame Army Type Trolley Hoists Capacities: ½ thru 2-ton

½ to 2 TON BUDGIT Army Trolley Hoists in these capacities are notable for light weight and ability to traverse minimum radius curves freely, since the trolley units swivel. Construction is ingeniously simple. A standard BUDGIT super geared hoist is suspended on a special load bar carried at each end by a lifetime lubricated precision ball bearing-equipped two wheel trolley. Trolley units are adjustable to beam size and are interchangeable. Plain trolley may be replaced with geared unit at any time, as required. Wheels have convex-machined treads that will maintain roundness through long use.



½ to 2-ton, Plain



1 to 2-ton, Geared

Sizes, Catalog Numbers and Specifications

Cat. Number		Cap. Tons	Standard Lift Feet	Min. Headroom	Min. Radius Curve	Adj. For Standard I-Beam	Weight in Pounds			
							Net		Gross	
Plain	Geared						Plain	Geared	Plain	Geared
905052	905064	½	8	10¾"	21"	4"-10"	94	139	115	160
905053	905065	1	8	10⅞"	21"	5"-10"	109	145	130	164
905054	905066	1½	8	13¼"	30"	6"-15"	160	192	191	232
905055	905067	2	9	13½"	36"	6"-15"	160	196	200	236

Plain

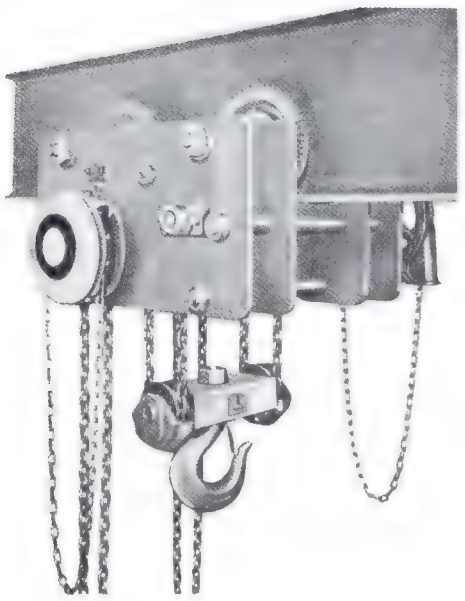
Cap. in Tons	All Dimensions Shown in Inches																			
	A	B	C	D	E	F	T	H	H'	I	J	K	L	M	N	O	P	R	S	V	W
½	10¾	18¾	8½	2⅞	6⅛	8⅝	⅞	4¼	—	13/16	1	7/16	—	½	⅝	3⅝	1⅜	4¼	4¼	3	4 9/16
1	10⅞	19¾	8½	3¾	6⅛	8⅝	1⅛	4⅝	—	15/16	1	5/16	—	½	⅝	5	1⅜	4¼	4¼	3	4 9/16
1½	13½	24½	11	4½	7½	11	1⅛	5	—	1	1 1/32	5/16	—	1 1/16	7/16	6	1¾	5	5	3¼	5 7/16
2	13½	24½	11	4½	7½	11	1⅛	5	—	1	1 1/32	5/16	—	1 1/16	7/16	6	1¾	5	5	3¼	5 7/16

Geared

Cap. in Tons	All Dimensions Shown in Inches																				
	A	B	C	D	E	F	G	H	H'	I	J	K	T	M	N	O	P	R	S	V	W
1	10⅞	22½	8½	3¾	6⅛	8⅝	5¼	4⅝	8 5/16	15/16	1	5/16	1⅛	½	⅝	5	1⅜	4¼	4¼	3	4 9/16
1½	13½	27 3/16	11	4½	7½	11	5 11/16	5	7¾	1	1 1/32	5/16	1⅛	1 1/16	7/16	6	1¾	5	5	3¼	5 7/16
2	13½	27 3/16	11	4½	7½	11	5 11/16	5	7¾	1	1 1/32	5/16	1⅛	1 1/16	7/16	6	1¾	5	5	3¼	5 7/16

BUDGIT®

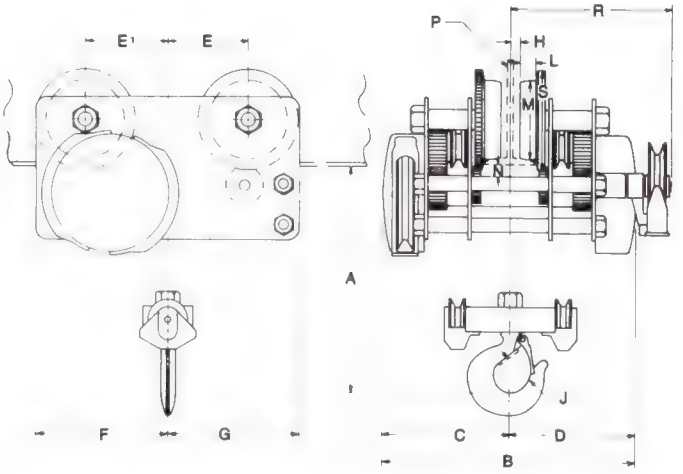
Steel Frame Low Headroom Trolley Hoists



Push and Hand Geared Type Capacities: 1½ thru 24-ton

BUDGIT Low Headroom Trolley Hoists are designed for applications where headroom is so limited that no other type hoist can be used. They offer an ideal solution in existing structures with low ceilings. This further suggests the possibility of interesting cost savings in new construction by allowing lower ceilings.

These hoist models are not adjustable to varying size beams. Each unit is custom-built to fit the size beam specified in the order. However, the hoist can be built to operate on beams larger than standard.



Outline Dimensions

Cap. Tons	A	B	C	D	E	E¹	F	G	H	J	L	M	N	P*	R	S
1½	6½	20⅜	10³⁄₁₆	10³⁄₁₆	5⅛	5⅛	8¾	8¼	⅝	1⁷⁄₃₂	1⅛	4½	¹⁵⁄₁₆	6"I @ 12.5#	13¹⁄₁₆	6
2	6½	20⅜	10³⁄₁₆	10³⁄₁₆	5⅛	5⅛	8¾	8¼	⅝	1⅛	1⅛	4½	¹⁵⁄₁₆	6"I @ 12.5#	13¹⁄₁₆	6
3	7½	20⅜	10³⁄₁₆	10³⁄₁₆	6½	6⅝	10⅝	10⅝	⁹⁄₁₆	1⅝	1¹¹⁄₃₂	6⅜	³¹⁄₃₂	8"I @ 18.4#	13¹⁄₁₆	8
4	8	20⅜	10³⁄₁₆	10³⁄₁₆	6½	6⅝	10⅝	10⅝	⁹⁄₁₆	1¾	1¹¹⁄₃₂	6⅜	³¹⁄₃₂	8"I @ 18.4#	13¹⁄₁₆	8
5	8½	26¼	13⅛	13⅛	7⅜	7⅜	12	12	²⁹⁄₃₂	1¹¹⁄₁₆	1¹³⁄₃₂	7³⁄₁₆	¹⁵⁄₁₆	10"I @ 25.4#	16½	9
6	8½	26¼	13⅛	13⅛	7⅜	7⅜	12	12	²⁹⁄₃₂	1¹¹⁄₁₆	1¹³⁄₃₂	7³⁄₁₆	¹⁵⁄₁₆	10"I @ 25.4#	16½	9
8	11	26¼	13⅛	13⅛	8⅜	8⅞	14	13½	⁹⁄₁₆	2⁵⁄₁₆	1¹¹⁄₁₆	8¼	1⅛	10"I @ 25.4#	16½	10
10	11½	26¼	13⅛	13⅛	8½	9¾	15⅝	14⅜	⁹⁄₁₆	2¼	1¾	9¾	⅞	12"I @ 31.8#	16½	11¹¹⁄₁₆
12	12⅝	26¼	13⅛	13⅛	8½	9¾	15⅝	14⅜	⁹⁄₁₆	2¼	1¾	9¾	⅞	12"I @ 31.8#	16½	11¹¹⁄₁₆
16	13½	30⅜	15³⁄₁₆	15³⁄₁₆	11⅞	11⅞	18⅝	18⅝	⁹⁄₁₆	3	2	11¾	1	15"I @ 42.9#	18⅞	13½
20	17¼	30⅜	15³⁄₁₆	15³⁄₁₆	12⅛	12⅜	19¼	19	¾	4³⁄₁₆	2	11¾	1	18"I @ 54.7#	18⁷⁄₁₆	13½
24	17¼	30⅜	15³⁄₁₆	15³⁄₁₆	12⅛	12⅜	19¼	19	¾	4³⁄₁₆	2	11¾	1	18"I @ 54.7#	18⁷⁄₁₆	13½

*P—Min. Beam for proper wheel running clearance. Dimensions are in inches unless otherwise specified.

Sizes, Catalog Numbers and Specifications

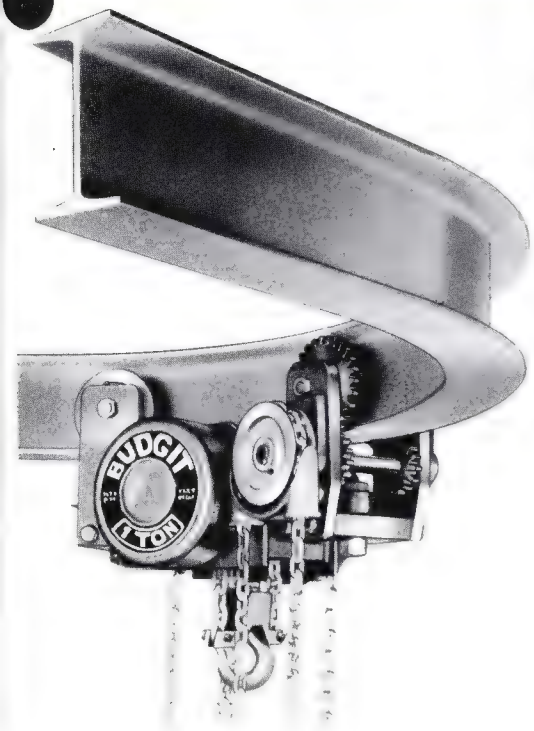
Plain		Geared								
Catalog Number	Net Weight in Lbs.	Catalog Number	Net Weight in Lbs.	Rated Capacity in Tons	Standard Lift in Feet	††Smallest Radius Curve	Minimum Distance Bottom Of I-Beam to Hook in Inches	Chain Pull To Lift Full Load Lbs.	Chain Overhaul To Lift Load One Foot	Load Chain Length 2 Chains Per Hoist
910661	207	910681	230	1½	8	6'6"	6½	41	87'	9'5"
910662	210	910682	233	2	8	6'6"	6½	54	87'	9'5"
910663	305	910683	335	3	8	6'6"	7½	42	176'	18'2"
910664	308	910684	340	4	8	7'6"	8	56	176'	18'2"
910665	574	910685	633	5	8	8'6"	8½	79	165'	10'
910666	574	910686	633	6	8	8'6"	8½	94	165'	10'
910667	650	910687	773	8	8	9'6"	11	64	355'	19'
910668	1022	910688	1105	10	8	10'	11½	87	330'	19'6"
910669	1022	910689	1105	12	8	+	12⅝	104	330'	19'6"
910670	1600	910690	1681	16	8	+	13½	68	710'	38'6"
910671	1950	910691	2110	20	8	+	*17¼	87	731.5'	39'
910672	1950	910692	2110	24	8	+	17¼	104	731.5'	39'

+Straight track operation only recommended for these units. However, curve radius must be specified on orders.

††Curves less than minimum may be fitted by special construction. Consult factory.

BUDGIT

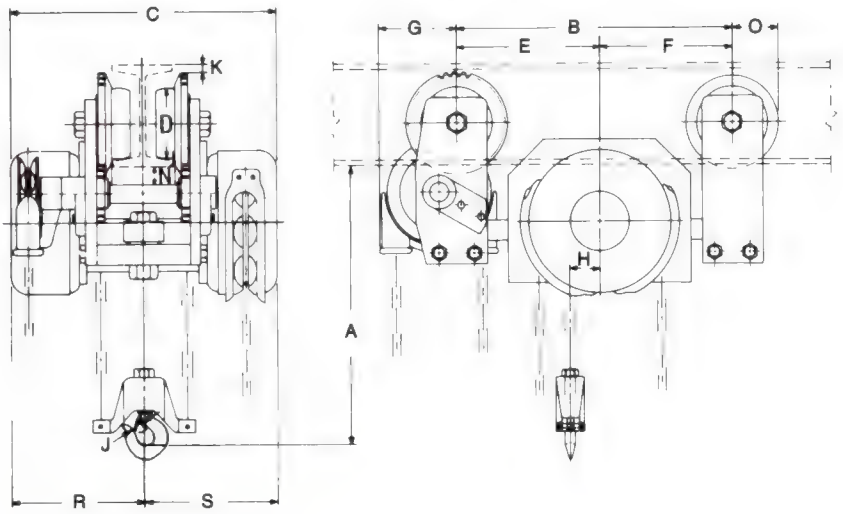
Swivel Truck Low Headroom Trolley Hoists



Push and Hand Geared Type Capacities: ¼ thru 4-ton

Low Headroom Trolley Hoist Incorporates two highly desirable features — compact low headroom design, and the ability to travel extremely short radius curves without binding or scraping on the I-beam or monorail. Therefore, runways can be located closer to walls than would otherwise be possible with units of heavier and bulkier construction. And, like the standard low headroom type, this hoist also permits building to close headroom dimensions, with consequent savings in construction costs.

This trolley hoist is not adjustable to varying size beams. Each unit is custom-built to fit the size beam specified in the order. However, the hoist can be built to operate on beams larger than standard, and on either standard or wide flange beams. Be sure to specify height, type and flange width of I-beam. Curve radius must always be specified when ordering.



Outline Dimensions

Capacity In Tons	A	B	C	D	E	F	G	H	J	K	N	O	R	S	Beam Size
¼	6	13¾	13⅛	3⅛	7¼	6½	3¾	1⅜	31/32	¾	⅝	2¼	6 9/16	6 9/16	5" x 10#
½	6	13¾	13⅛	3⅛	7¼	6½	3¾	1⅜	31/32	¾	⅝	2¼	6 9/16	6 9/16	5" x 10#
1	6	13¾	13⅛	3⅛	7¼	6½	3¾	1⅜	31/32	¾	⅝	2¼	6 9/16	6 9/16	5" x 10#
1½	6½	19	18¼	5¼	11⅜	7⅝	6⅞	3	1⅛	½	5/16	3⅛	9⅛	9⅛	7" x 15.3#
2	7	19	18¼	5¼	11⅜	7⅝	6⅞	3	17/32	½	5/16	3⅛	9⅛	9⅛	7" x 15.3#
3	7¾	21½	21	5¼	13⅞	7⅝	6¾	4⅞	1⅝	⅞	1	3⅛	10½	10½	8" x 18.4#
4	9¼	21½	21	6⅜	13⅞	7⅝	6½	4⅞	1 11/16	7/16	⅞	4	10½	10½	8" x 18.4#

Dimensions are in inches unless otherwise specified.

Sizes, Catalog Numbers and Specifications

Rated Capacity In Tons	Push Type		Hand Geared		Minimum Radius Curve	Minimum Size of I-Beam	Minimum Distance I-Beam To Hook, Inches	Chain Pull To Lift Full Load, Lbs.	Chain Overhaul To Lift Load One Foot
	Catalog Number	Net Weight In Lbs.	Catalog Number	Net Weight In Lbs.					
¼	905251	110	905261	127	21"	5" x 10.0#	6	17	33 ft.
½	905252	110	905262	127	21"	5" x 10.0#	6	35	33 ft.
1	905253	127	905263	144	21"	5" x 10.0#	6	70	33 ft.
1½	905254	245	905264	267	30"	7" x 15.3#	6½	57	66 ft.
2	905255	251	905265	270	36"	7" x 15.3#	7	76	66 ft.
3	905257	332	905267	440	42"	8" x 18.4#	7¾	56½	116 ft.
4	905258	398	905268	445	48"	8" x 18.4#	9¼	91	116 ft.

Standard lift is 8 feet.

BUDGIT®

Twin Hook and Extended Hand Wheel Hoists

Twin Hook Hoists
Capacities: ¼ thru 5-ton

Furnished with 3' centers as standard. Specify desired spacing. Center bearing required 10' centers or greater.

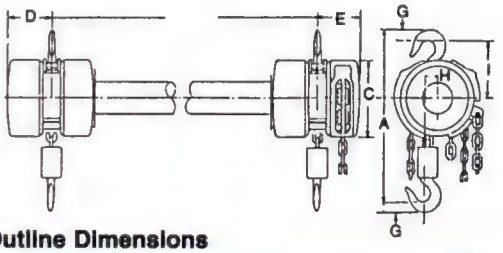
Two separate but connected spur gear hoists are driven simultaneously from a single hand chain.

Long bulky loads can be easily and evenly lifted with the Twin Hook Hoist. Typical loads are: tubes, frames, lowers, drying and storage racks, auto and truck bodies, and vats and tanks.

The suspension hooks can be hung from trolleys or from fixed positions.

Furnished with 3' center distance between hooks are standard. Available with 4' through 16' center distances. Specify desired center distance. Center bearing required for distance 10' or over. See price sheet.

One-half of Rated Capacity of Hoists is carried on each Load Hook. Exceeding one-half the rated capacity on each load hook when hooks are used together or individually can result in injury to persons and damage to property.



Sizes, Catalog Numbers and Specifications **Outline Dimensions**

Rated Capacity in Tons	Catalog Number	Net Weight 3-Foot Centers	Standard Lift in Feet	To Lift Load One Foot		A	C	D	E	G	H	I
				Chain Pull in Lbs.	Chain Overhaul in Ft.							
¼	905131	106	8	35	33	11¾	8½	4¼	4¼	1	1⅜	5½
½	905132	106	8	35	33	11¾	8½	4¼	4¼	1	1⅜	5½
1	905133	162	8	70	33	12¼	8½	4¼	4¼	1	1⅜	5½
1½	905134	287	8	64	58	15½	11	5	5	1¼	1¾	7⅞
2	905135	412	8	83	58	16	11	5	5	1¼	1¾	7⅞
3	905136	535	8	66	116	23½	11	5	5	1 11/16	4⅞	9⅛
4	905137	592	8	86	116	24½	11	5	5	1⅞	4⅞	9⅝
5	905138	715	8	71	174	28	11	5	5	2 1/32	6⅜	11½

All dimensions are in inches unless otherwise specified.

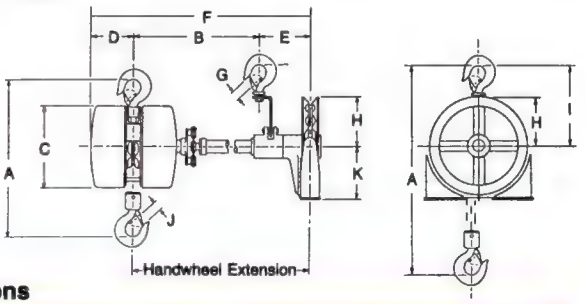
Extended Hand Wheel Hoists
Capacities: ¼ thru 2-ton

Furnished with 3' extensions as standard. Maximum is 10'. Specify desired extension.

This is a steel frame chain hoist with handwheel extended to allow the operator to stand at a distance from the load.

Typical applications are: handling hot materials from a distance; or handling work whose surface must be protected from marring by the hand chain; or handling large, flat or bulky loads.

The suspension may be from fixed supports or on trolleys. Inquire for prices and information on unusually large capacities.



Sizes, Catalog Numbers and Specifications **Outline Dimensions**

Rated Capacity In Tons	Catalog Number	Chain Pull To Lift Full Load In Pounds	Feet of Chain Overhauled To Lift Load One Foot	Net Weight Lbs.	A	B	C	D	E	F	G	H	I	J
¼	910651	17	33	78	12⅛	29 7/16	7¼	4¼	6 9/16	41 7/16	1	4 21/32	6 7/16	1
½	910652	35	33	78	12⅛	29 7/16	7¼	4¼	6 9/16	41 7/16	1	4 21/32	6 7/16	1
1	910653	70	33	84	12¼	29 7/16	7¼	4¼	6 9/16	41 7/16	1	4 21/32	6 7/16	1
1½	910654	64	58	115	15⅞	29½	9¾	5	6½	42¼	1	5 21/32	7⅝	1⅛
2	910655	83	58	125	15⅞	29½	9¾	5	6½	42¼	1	5 21/32	7⅝	1⅛

Standard lift is 8 feet.

All dimensions are in inches unless otherwise specified.

Push and Hand Geared Type Capacities: ¼ thru 2-ton

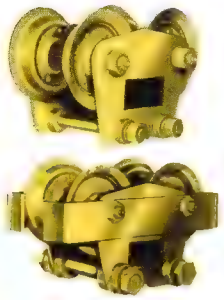
These Rigid Mount Trolleys are designed especially for use with lug suspended hoists. The trolleys attach directly to lug brackets on hoists, thereby forming integral trolley-hoist combinations, offering close headroom dimensions — making the trolley-hoist ideal for hoisting applications where distance from floor to I-beam is limited.

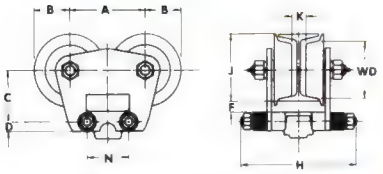
The trolleys are of all steel construction to provide maximum strength. Wheels have hardened treads, insuring long life, and operate on ball bearings for easy travel. Pressure fittings are provided in wheel axles to simplify lubrication.

On hand geared models, the hand chain operated wheel turns a pinion which meshes with wheel gears for ease of operation and accurate spotting. The chain guide keeps the chain aligned with the wheel and helps prevent fouling. The wheel gears and drive pinion have machine cut teeth.

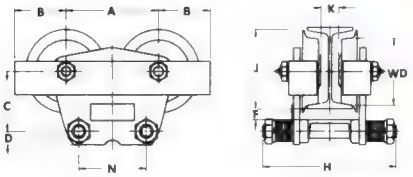
Anti-tilt rollers are provided on hand geared trolleys, as well as the 1-ton push type for extended hand chain wheel hoist, to eliminate tilting of trolley on beam when operating with light load or without load.

Push-Type Models





½ & 1-ton capacities



2 & 3-ton capacities

Sizes, Catalog Numbers and Specifications

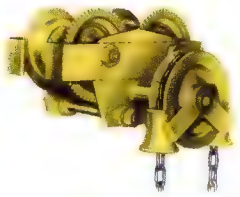
Capacity (Tons)	Push Trolley Catalog No.	Push Trolley Net Wgt. (Lbs.)	*Hand Geared Trolley Catalog No.	*Hand Geared Trolley Net Wgt. (Lbs.)	**Min. Beam Depth Push	**Min. Beam Depth Hand Geared	Adjustable For Flange Widths (Ins.)	Min. Radius Curve Trolley Will Negotiate
¼	905401	15			4	—	***2⅝ to 4⅝	2'6"
½	905401	15			4	—	2⅝ to 4⅝	2'6"
			905411	40	—	6	3 to 5	3'6"
1	905409	23	905411	40	5	6	3 to 5	3'6"
	905410	24	905413	41	5	6	5¼ to 7⅜	3'6"
1½	905403	43	905412	57	6	7	3⅜ to 6	4'0"
	905406	44	905414	58	6	7	6¼ to 8⅞	4'0"
2	905403	43	905412	57	6	7	3⅜ to 6	4'0"
	905406	44	905414	58	6	7	6¼ to 8⅞	4'0"

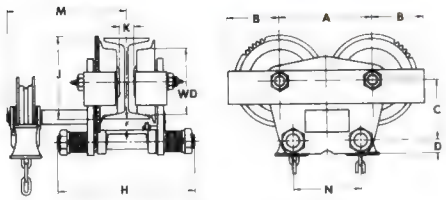
*Hand geared trolleys have standard hand chain drop of 9'6". Longer chain available.

**When used on smallest I-beam size, beam must be free of all obstructions; such as clips, suspension bolts, and nuts.

***For ¼- and ½-ton applications on wider flange beams, mount on 1-ton trolleys.

Hand Geared Models





1, 2 & 3-ton capacities

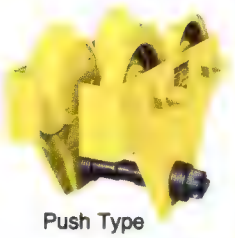
Outline Dimensions

Capacity (tons)	Catalog Number	A	B	C	D	WD	* Min. F	H	Max. J	** Min. K	Max. M	N
¼	905401	4⅜	2⅛	3³⁄₁₆	1¹⁄₁₆	3⅛	⅝	8⅛	3¹⁵⁄₁₆	⅝	—	3⅛
½	905401	4⅜	2⅛	3³⁄₁₆	1¹⁄₁₆	3⅛	⅝	8⅛	3¹⁵⁄₁₆	⅝	—	3⅛
½	905411	6⅛	3⁹⁄₁₆	3²⁷⁄₃₂	1¹⁄₁₆	4	⅝	8⅞	5½	⅞	9¾	3⅛
1	905409	6⅛	2¹¹⁄₁₆	3²⁷⁄₃₂	1¹⁄₁₆	4	⅝	8⅞	4⅞	1¼	—	3⅛
1	905410	6⅛	2¹¹⁄₁₆	3²⁷⁄₃₂	1¹⁄₁₆	4	⅝	11⅛	4⅞	3½	—	3⅛
1	905411	6⅛	3⁹⁄₁₆	3²⁷⁄₃₂	1¹⁄₁₆	4	⅝	8⅞	5½	⅞	9¾	3⅛
1	905413	6⅛	3⁹⁄₁₆	3²⁷⁄₃₂	1¹⁄₁₆	4	⅝	11⅛	5½	3½	11¹⁄₁₆	3⅛
1½	905403	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	10⅛	6	1¼	—	5
1½	905406	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	13	6	4¼	—	5
1½	905412	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	10⅛	6⁵⁄₁₆	1¹⁄₁₆	10¼	5
1½	905414	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	13	6⁵⁄₁₆	4¼	11¹³⁄₁₆	5
2	905403	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	10½	6	1¼	—	5
2	905406	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	13	6	4¼	—	5
2	905412	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	10⅛	6⁵⁄₁₆	1¹⁄₁₆	10¼	5
2	905414	6⅞	3¹³⁄₁₆	4⁷⁄₁₆	1	4¹⁵⁄₁₆	⅝	13	6⁵⁄₁₆	4¼	11¹³⁄₁₆	5

All dimensions are shown in inches unless otherwise specified.

*Dimension "F" is based on largest size beam on which trolley will operate. Dimension increases slightly for each of the smaller size beams.

**This dimension (K) occurs on smallest size beam only. On larger sizes of beams it is increased by the difference in flange width.



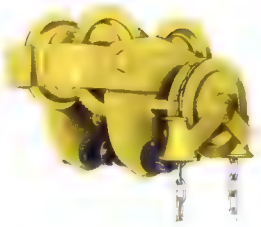
¼ to 2-ton Models

Push Type

Hand Geared Type

3 ton Models

Push Type



Hand Geared Type

Push and Hand Geared Type Capacitie: ¼ thru 3-ton

BUDGIT-BEAM Trolleys expand the usefulness of BUDGIT Hand Chain Hoists . . . providing a quick, easy way to lift and transport materials from place to place. In either Push or Hand Geared Type, BUDGIT Trolleys require little effort to traverse even when loaded to capacity.

Design and Construction Features

Frames: Deeply embosses steel sideplates on the ¼ through 2-ton models provide a high strength to weight ratio. Sideplates are of wrap-around design providing a full face bumper as well as a protective lug which will prevent trolley from falling off I-beam in event of inadvertent wheel axle failure. The 3-ton trolley sideplate frames are thick rolled steel sections with added bumpers.

Wheels: High-quality pressed steel wheels, carburized and hardened to ensure long life, are offered on the standard trolleys. Spark resistant models have beryllium copper wheels. The wheels have built-in ball bearings to provide smooth easy rolling motion and compound tread design to make them suitable for operation on wide flange beams as well as American Standard I-beam tapered flange beams. Deep flanges help prevent wheels from climbing the track. Pressure lubrication fittings in the axles allow easy lubrication.

Cross Pin: The cross pin connects the sideplates and provides equalized wheel loads. It has a center located hood saddle groove designed for mounting hook suspended hoists . . . permitting the closest possible headroom. Each trolley is easily adjustable to fit several sizes of beams by simply shifting cross pin spacer washers from inside to outside of trolley sideplate.

Sizes, Catalog Numbers and Specifications

Push Type Trolleys

Capacity Metric Rated	Catalog Numbers		Shipping Weight (Pounds)	Adjustable to Fit These Beam Sizes (Inches)			Min. Radius Curve Trolley Will Negotiate
	Standard Trolleys	* SR Trolleys		** Min. Depth	Min. Flange Width	Max. Flange Width	
¼ Ton (550 lb.)	80	80SR	13	4	2⅝	4⅝	2'6"
	80WFA	80WFASR	14	4	5	7	2'6"
½ Ton (1100 lb.)	81	81SR	13	4	2⅝	4⅝	2'6"
	81WFA	81WFASR	14	4	5	7	2'6"
1 Ton (2200 lb.)	82	82SR	25	5	3	5	3'0"
	82WFA	82WFASR	27	5	5	7	3'0"
	82WFB	82WFBSR	28	5	7	9	3'0"
1½ Ton (3300 lb.)	79	79SR	36	6	3⅜	6	4'0"
	79WFA	79WFASR	39	6	6	8	4'0"
	79WFB	79WFBSR	40	6	8	10	4'0"
2 Ton (4400 lb.)	83	83SR	36	6	3⅜	6	4'0"
	83WFA	83WFASR	39	6	6	8	4'0"
	83WFB	83WFBSR	40	6	8	10	4'0"
3 Ton (Standard rating)	905480	—	75	6	3⅜	6	4'0"
	905481	—	78	6	6⅛	8⅞	4'0"
	905482	—	79	6	9	11	4'0"

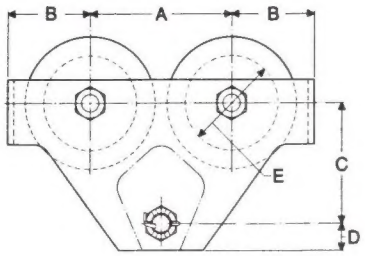
Hand Geared Trolleys

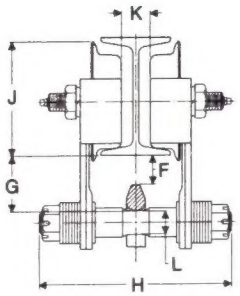
Capacity Metric Rated	Catalog Numbers		Shipping Weight (Pounds)	Adjustable to Fit These Beam Sizes (Inches)			Min. Radius Curve Trolley Will Negotiate
	Standard Trolleys	* SR Trolleys		** Min. Depth	Min. Flange Width	Max. Flange Width	
1 Ton (2200 lb.)	82G	82GSR	41	5	3	5	3'0"
	82GWFA	82GWFASR	43	5	5	7	3'0"
	82GWFB	82GWFBSR	44	5	7	9	3'0"
1½ Ton (3300 lb.)	79G	79GSR	52	6	3⅜	6	4'0"
	79GWFA	79GWFASR	54	6	6	8	4'0"
	79GWFB	79GWFBSR	55	6	8	10	4'0"
2 Ton (4400 lb.)	83G	83GSR	52	6	3⅜	6	4'0"
	83GWFA	83GWFASR	54	6	6	8	4'0"
	83GWFB	83GWFBSR	55	6	8	10	4'0"
3 Ton (Standard rating)	905490	—	97	6	3⅜	6	4'0"
	905491	—	99	6	6⅛	8⅞	4'0"
	905492	—	100	6	9	11	4'0"

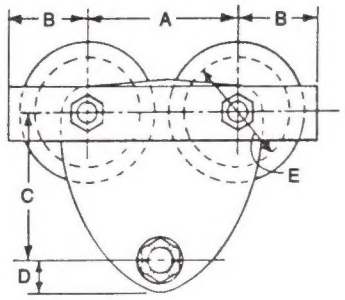
*Spark and corrosion resistant models—Equipped with beryllium copper wheels and vinyl covered bumpers. On hand geared—S.R. model trolleys, the hand chain is bronze alloy, anti-tilt roller is bronze, and wheel gears are aluminum bronze.

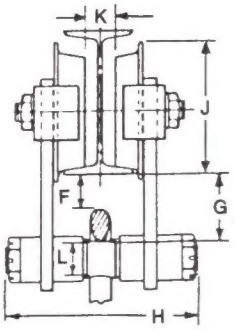
**When used on smallest I-beam size, beam must be free of all obstructions, such as clips, suspension bolts and nuts. If beam is welded to cross trusses, spacers must be used between top of beam and truss to provide wheel flange clearance.

Push Type

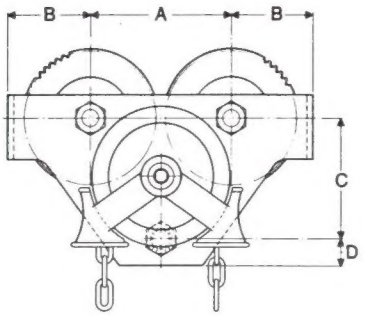


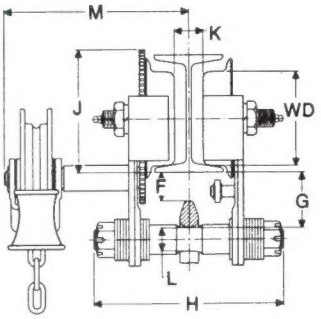


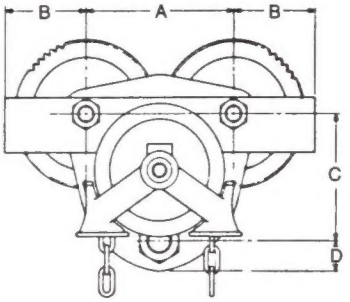


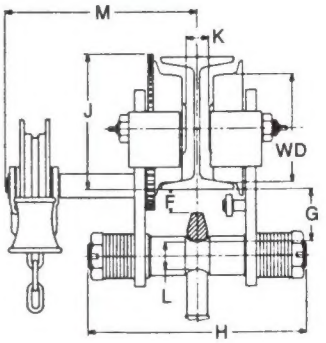


Hand Geared









Outline Dimensions

Push Type Trolleys

A	B	C	D	E	** F Max.	G Min.	H	J Max.	*** K Min.	L
4 3/8	2 13/16	4 1/8	1	3 1/8	25/32	1 29/32	7 9/16	3 15/16	1 1/16	7/8
4 3/8	2 13/16	4 1/8	1	3 1/8	25/32	1 29/32	9 7/8	3 15/16	3 1/16	7/8
4 3/8	2 13/16	4 1/8	1	3 1/8	25/32	1 29/32	7 9/16	3 15/16	1 1/16	7/8
4 3/8	2 13/16	4 1/8	1	3 1/8	25/32	1 29/32	9 7/8	3 15/16	3 1/16	7/8
6 1/8	3 9/16	5 1/8	1 1/8	4	1 1/8	2 1/4	8 1/4	4 7/8	13/16	1
6 1/8	3 9/16	5 1/8	1 1/8	4	1 1/8	2 1/4	10 3/8	4 7/8	2 13/16	1
6 1/8	3 9/16	5 1/8	1 1/8	4	1 1/8	2 1/4	12 3/8	4 7/8	4 13/16	1
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	29/32	2 1/4	8 3/4	6	3/4	1 1/8
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	10 3/4	6	3 3/8	1 1/4
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	12 3/4	6	5 3/8	1 1/4
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	29/32	2 1/4	8 3/4	6	3/4	1 1/8
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	10 3/4	6	3 3/8	1 1/4
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	12 3/4	6	5 3/8	1 1/4
6 7/8	4 3/8	6	1 5/8	4 15/16	1 1/16	2 7/16	12	6	1 1/4	1 11/32
6 7/8	4 3/8	6	1 5/8	4 15/16	1 1/16	2 7/16	14 3/4	6	4 1/4	1 11/32
6 7/8	4 3/8	6	1 5/8	4 15/16	1 1/16	2 7/16	17 5/8	6	7	1 11/32

Hand Geared Trolleys

A	B	C	D	WD	** F Max.	G Min.	H	J Max.	*** K Min.	L	M Max.
6 1/8	3 9/16	5 1/8	1 1/8	4	1 1/8	2 1/4	8 1/4	5 1/2	13/16	1	10 3/16
6 1/8	3 9/16	5 1/8	1 1/8	4	1 1/8	2 1/4	10 3/8	5 1/2	2 13/16	1	10 15/16
6 1/8	3 9/16	5 1/8	1 1/8	4	1 1/8	2 1/4	12 3/8	5 1/2	4 13/16	1	11 15/16
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	29/32	2 1/4	8 3/4	6 5/16	3/4	1 1/8	10 9/16
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	10 3/4	6 5/16	3 3/8	1 1/4	11 7/16
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	12 3/4	6 5/16	5 3/8	1 1/4	12 7/16
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	29/32	2 1/4	8 3/4	6 5/16	3/4	1 1/8	10 9/16
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	10 3/4	6 5/16	3 3/8	1 1/4	11 7/16
6 7/8	3 13/16	5 3/4	1 5/16	4 15/16	27/32	2 3/16	12 3/4	6 5/16	5 3/8	1 1/4	12 7/16
6 7/8	4 3/16	6	1 5/8	4 15/16	1 1/16	2 7/16	12	6 5/16	1 1/4	1 11/32	18 5/16
6 7/8	4 3/16	6	1 5/8	4 15/16	1 1/16	2 7/16	14 3/4	6 5/16	4 1/4	1 11/32	19 13/16
6 7/8	4 3/16	6	1 5/8	4 15/16	1 1/16	2 7/16	17 5/8	6 5/16	7	1 11/32	21 3/16

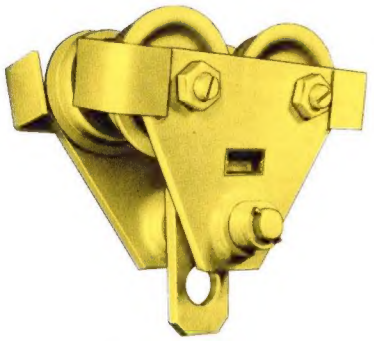
**Dimension "F" is based on hook of standard BUDGIT hoist and minimum size beam. Dimension decreases slightly for each larger size beam.

***Dimension "K" occurs on smallest size beam only. On each larger size beam it is increased by the difference in flange width. Hand chain drop on geared trolleys is 9'6".

Dimensions are in inches unless otherwise specified.

HI-CAP® Trolleys

Hand Geared Trolley



Push Type Trolley

Push and Hand Geared Type Capacities: 3 thru 10-ton

BUDGIT HI-CAP Trolleys are the sturdiest, longest-lived trolleys of their type and capacity range yet developed by us. Produced in 3 through 10-ton models, they are an extension of the regular BUDGIT line of trolleys already famous in the ¼ through 3-ton field.

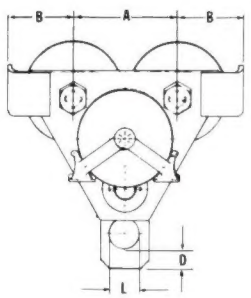
BUDGIT HI-CAP Trolleys offer exclusive design features and operating advantages. For example, the HI-CAP Trolley is the only one using forged steel, flame hardened, fully machined wheels; resulting in the easiest rolling, most accurately spotting trolley available from Lift-Tech. Crowned wheel tread allows operation on either tapered or flat flange sections.

Hand Geared HI-CAP Trolleys also employ completely machined gear teeth, providing quiet, smooth operation and long life.

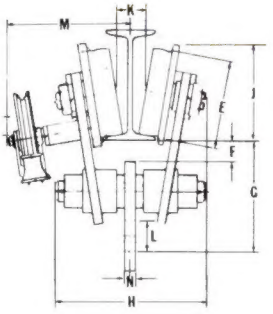
Trolleys are also available in Spark and Corrosion Resistant Models. Apply to factory.

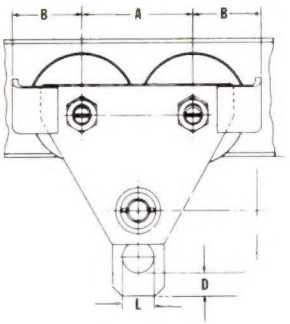
Exclusive Design Features Offer Exclusive Operating Advantages

- Rugged, rolled steel side plates are equipped with wide-faced end bumpers.
- The cross shaft is heat treated AISI-4140 (chrome moly) steel, supported for a great part of its length by heavy, jig-bored bosses integral with the side plates.
- Easily adjusted spacer washers on the cross shaft make it simple to adapt the HI-CAP Trolley to a wide range of beam sizes. Steel spring pins secure the washers.

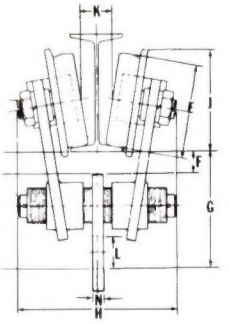


Hand Geared





Push Type



Sizes, Catalog Numbers and Specifications

Outline Dimensions

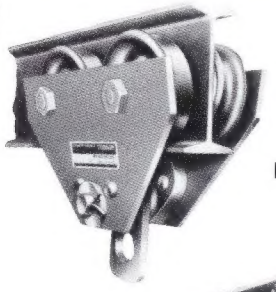
Cap. in Tons	Push Type Trolley		Hand Geared Trolley			Adjustable to fit these I-Beam* Sizes (Inches)			Min. Radius Curve	A	B	D	E	* F Max.	G Min.	H Max.	J Max.	** K Max.	L	M	N
	Catalog Number	Net Weight in Pounds	Catalog Number	Net Weight in Lbs.	Drop of Hand Chain	Min. Depth	Min. Flange Width	Max. Flange Width												
3	84	141	84A	159	9'6"	8	4	7¼	3'6"	9 19/32	5⅛	1⅜	6½	1⅜	7	15	8 3/16	5½	2	12½	½
4	85	144	85A	162	9'6"	8	4	7¼	3'6"	9 19/32	5⅛	1½	6½	1¼	7	15	8 3/16	5½	2	12½	¾
5	86	249	86A	272	9'6"	10	4⅝	8	4'3"	9¾	6⅛	1¾	8	1⅞	9¼	17⅜	9⅞	6	2¾	13 1/16	¾
6	87	253	87A	276	9'6"	10	4⅝	8	4'3"	9¾	6⅛	1⅞	8	1¾	9¼	17⅜	9⅞	6	2¾	13 1/16	1
8	88	506	88A	534	9'6"	15	5½	8	5'0"	13½	7⅛	2¼	10	1 15/16	11¾	20½	12 3/16	5⅝	3½	13½	1
10	89	512	89A	540	9'6"	15	5½	8	5'0"	13½	7⅛	2¼	10	1 15/16	11¾	20½	12 3/16	5⅝	3½	13½	1¼

*Dimension "F" is based on hook of standard BUDGIT hoist and minimum size beam. Dimension decreases slightly for each larger size beam.

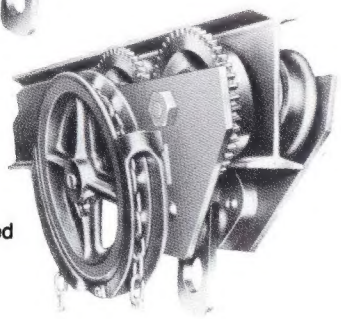
**Dimension "K" occurs on smallest size beam only. On each larger size beam it is increased by the difference in flange width.

Dimensions are in inches unless otherwise specified.

Cast Iron Wheel Trolleys



Push Type



Hand Geared

Push and Hand Geared Type Capacities: ¼ thru 25-ton

Heavy rolled steel side plates are shaped in the manufacturing process to give these trolley units stability and rigidity. As an added feature, side plates extend beyond the wheels to act as bumpers. Steel equalizing pins connect the two halves of each trolley to provide load equalization and smooth operation.

Trolley wheels are alloy cast iron, through-hardened for long wear and continuing roundness. Wheel treads are machined to provide the smoothest possible rolling motion.

Hand geared trolley has wheels with completely machined gear teeth. When operating, the teeth are driven by a steel drive pinion turned by a hand chain operated wheel. A swinging chain guide helps keep the chain aligned and free from fouling.

Steel axles are rigidly supported in the side frame and set at the same angle as the American Standard Section I-Beam flange.

Special trolley blocks reinforce the side plates as well as the equalizing pin. To save headroom, a hoist can be suspened directly from the pin or from the heavy steel suspension clevis (provided).

¼ through 2-ton trolleys have sealed lubricated precision ball bearings; 3-ton and over trolleys are equipped with eight duo-sealed Timken tapered roller bearings.

Model P Push Type Trolleys

Catalog Number	Capacity in Tons	Net Weight in Lbs.	Adjustable for Standard I-Beams	Smallest Radius Curve in Ins.
905271	¼	28	4" to 12" x 31.8#	20
905272	½	28	4" to 12" x 31.8#	20
905273	1	47	5" to 12" x 31.8#	24
905274	1½	83	6" to 18" x 54.7#	30
905275	2	83	6" to 18" x 54.7#	30
905276	3	145	8" to 18" x 54.7#	36
905277	4	154	8" to 24" x 79.9#	36
905278	5	218	10" to 24" x 79.9#	48
905279	6	218	10" to 24" x 79.9#	48
905280	8	315	10" to 24" x 79.9#	60
905281	10	475	12" to 24" x 79.9#	72
905282	12	475	12" to 24" x 79.9#	72
905283	16	800	18" to 24" x 120.0#	96
905284	20	800	18" to 24" x 120.0#	96
905285	25	1300	18" to 24" x 120.0#	120

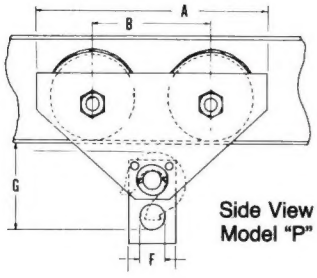
Model P Hand Geared Trolleys

Catalog Number	Capacity in Tons	*Net Weight in Lbs.	Adjustable for Standard I-Beams	Hand Chain Drop (Ft.)
905291	1	60	5" to 12" x 31.8#	8'
905292	1½	97	6" to 18" x 54.7#	8'
905293	2	97	6" to 18" x 54.7#	8'
905294	3	190	8" to 18" x 54.7#	8'
905295	4	200	8" to 24" x 79.9#	8'
905296	5	293	10" to 24" x 79.9#	8'
905297	6	296	10" to 24" x 79.9#	8'
905298	8	385	10" to 24" x 79.9#	8'
905299	10	543	12" to 24" x 79.9#	8'
905300	12	543	12" to 24" x 79.9#	8'
905301	16	895	18" to 24" x 120.0#	8'
905302	20	910	18" to 24" x 120.0#	8'
905303	25	1480	18" to 24" x 120.0#	8'

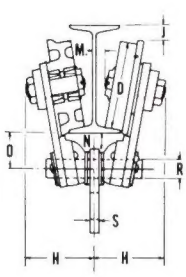
*Net weight less chain.

30 and 40 Ton Capacity Trolleys are available in Tandem Construction. Apply to factory.

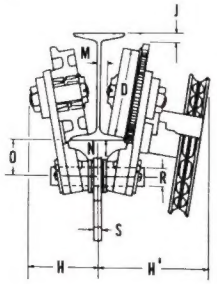
For wide flange beam adaption or for beams larger than standard, apply to factory.



Side View Model "P"



End View Push Type



End View Hand Geared

Outline Dimensions Model "P" Precision Bearing Trolley

Capacity in Tons	A	B	D	F	G	H	J	M	N	O	R	S	H'
¼-½	9	5	2⅞	1¾	5	3 5/16	⅝	⅜	¾	1 13/16	1	⅜	—
1	11¼	6⅛	3¾	1¾	5 9/16	3⅝	9/16	9/16	1⅜	2 7/16	1	⅜	9 3/16
1½	13½	7¼	4½	2	6½	4⅜	9/16	⅝	1¼	2 13/16	1¼	⅝	9 15/16
2	13½	7¼	4½	2	6½	4⅜	9/16	⅝	1¼	2 13/16	1¼	⅝	9 15/16
3	16¾	8½	6⅜	2¼	7¾	5⅛	11/16	⅝	1⅝	3¼	1½	¾	11
4	16¾	8½	6⅜	2¾	8¼	5⅛	11/16	⅝	1⅜	3¼	1¾	¾	11
5	19½	10	7 3/16	3	9⅛	5⅝	1¾	1	1½	3 13/16	2	¾	13 1/16
6	19½	10	7 3/16	3	9⅛	5⅝	1¾	1	1½	3 13/16	2	¾	13 1/16
8	21	10½	8¼	3⅛	10⅜	6¼	13/16	¾	2	4½	2¼	1	13½
10	23¾	12	9¾	4	13	7	1 3/16	⅞	2	4 15/16	2½	1	14⅛
12	23¾	12	9¾	4½	13¼	7	1 3/16	⅞	2	4 15/16	2½	1	14⅛
16	28¼	14	11¾	4½	14¾	10	5¼	1⅛	2	5⅜	3¼	1½	17½
20	28¼	14	11¾	4	16⅛	10	5¼	1⅛	2	5⅝	3¼	1¾	17½
25	36	18½	15 1/16	4	16¼	10½	2	⅜	1¾	5½	3⅝	1¾	17¾

For All Your Overhead Materials Handling Needs . . .

SHAW-BOX®

Wire Rope Electric Hoists, Lug, Base and Deck Mounted Models, plus Push, Hand Geared and Motor Driven Trolley Suspensions.

½ thru 20 Ton Capacities

BUDGIT®

Spring Type BUDGIT Cord Reels. For supplying current to Portable Tools. Polyphase Motors to 10 H.P. Single Phase Motors to 1 H.P.

25′ and 50′ Capacities

BUDGIT®

Hand Chain Operated BUDGIT Aluminum Chain Hoists. Standard and Spark and Corrosion Resistant Models

¼ thru 12 Ton Capacities

TUGIT®

Portable, Lever Operated TUGIT Hoists. Link Type Load Chain. Standard or Redline Models with Overload Protection.

¾ thru 6 Ton Capacities

BUDGIT®

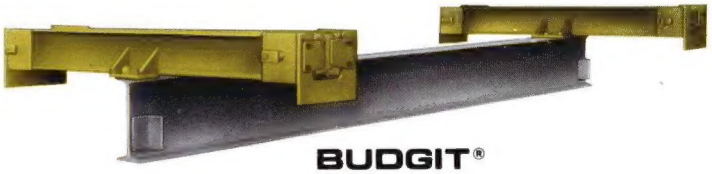
Pull Cord or Pendant Throttle BUDGIT Air Operated Hoists. Link Type Load Chain.

¼ thru 3 Ton Capacities

BUDGIT®

Push Button Control BUDGIT Electric Hoists with MANGUARD Overload Protection Link or Roller Type Load Chains. Hook and Lug Suspension.

¼ thru 3 Ton Capacities



BUDGIT®

Top Running and Underhung BUDGIT Crane Assemblies, Jib Cranes and Gantry "A" Frames. Packaged components for on site erection.

Capacities to 5 Tons

Important Notice

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Consult Your Lift-Tech Distributor . . .

LIFTTECH

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